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#### ABSTRACT

Graphic materials transmit information through drawings, diagrams, and symbols other than words. Theme 2 of the reading section of the National Assessment was divided into four subthemes, each representing a set of related exercises: (1) interpreting drawings and pictures; (2) reading signs and labels; (3) reading charts, maps, and graphs; and (4) reading forms. Most of the exercises in subtheme 1 were simple pictures or cartoons, and respondents were asked questions about the information the materials contained. Because of their low level of sophistication, these exercises were administered primarily to 9 and 13 year olds. Subthemes 2 through 4 covered a wide range of interaction between words and diagrams or drawings. The chapters included in the report are "Theme 2: Graphic Materials," "Summary of Results," "Results for 9 Year Olds. " "Results for 13 Year Olds, " "Results for 17 Year Olds," "Results for Young Adults," and "Performance on Exercises Overlapping Two or More Age Groups. " (Sample exercises and some charts may not reproduce well due to type size.) (WR)

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ASSESSMENT

**REPORT 02-R-02** 

**GRAPHIC MATERIALS** 

1970-71 Assessment

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## NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

## A Project of the Education Commission of the States

Winfield Dunn, Governor of Tennessee, Chairman, Education Commission of the States Wendell H. Pierce, Executive Director, Education Commission of the States James A. Hazlett, Administrative Director, National Assessment

#### **Assessment Reports**

# 1	Science: National Results	July, 1970
* 2	Citizenship: National Results	November, 1970
* 3	Writing: National Results	November, 1970
* 4	Science: Group Results A	April, 1971
<b>*</b> 5	Writing: Group Results A	April, 1971
<i>*</i> 6	Citizenship: Group Results A	July, 1971
* 8	Writing: Writing Mechanics	February, 1972
<b>* 9</b>	Citizenship: Group Results B	May, 1972
#02-GIY	Reading and Literature: General Information Yearbook	May, 1972
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#02-R-03	Reading: Written Directions (Theme 3)	May, 1973
#02-R-05	Reading: Gleaning Significant Facts	• •
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#02-R-02	Reading: Graphic Materials (Theme 2)	June, 1973

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## NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

A Project of the Education Commission of the States

REPORT 02-R-02

**GRAPHIC MATERIALS** 

Theme 2, Reading

June, 1973

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## TABLE OF CONTENTS

Introductio	n to the Read	ling Theme	s	• •	• •	•	•	•	•	•	V
Methods of	Describing tl	ne Data	• • •			•	•	•	•	•	ix
Chapter 1:	Theme 2: Gr	caphic Mat	erials	• •	• •	•	•	•	•	•	1
Chapter 2:	Summary of I	Results	• • •		• •	•	•	•	•	•	3
Chapter 3:	Results for	9-Year-Ole	ds			•	•	•	•	•	7
Chapter 4:	Results for	13-Year-0	lds		• •	•	•	•	•	•	39
Chapter 5:	Results for	17-Year-0	lds	• •	• •	•	•	•	•	•	85
Chapter 6:	Results for	Young Adu	lts	• •	• •	•	•	•	•	•	121
Chapter 7:	Performance Overlapping Age Groups.	Two or Mo:	re			•	•	•	•	•	139

#### INTRODUCTION TO THE READING THEMES

The results for the Year 02 assessment (Reading and Literature) are the first to be reported by theme. Conceptually, a theme defines a set of existing and potential exercises that relate to each other in content or some central idea that is meaningful to the subject area of concern. This format allows the presentation of all relevant results for each theme in a single report. The eight Reading themes are described briefly at the end of this introduction.

## Reading, Reading Behaviors and Reading Materials

In its broadest sense, "reading" can range from a fortune teller's reading tea leaves or a person reading another's facial expression to more conventional notions such as reading diagrams or reading short stories. National Assessment's definition of reading is both narrower and closer to the latter examples; National Assessment is concerned only with those reading skills usually taught in the schools and the kinds of reading materials we expect people commonly use.

It is not unusual for people to encounter many kinds of reading materials (ranging from books to graphs) and read them in different ways for different purposes. A table or chart may be read to find a single fact, for example, a newspaper's editorial may be read to critically appraise a point of view. Not surprisingly, the particular reading skils (which are also called reading behaviors) used change with the purpose for the reading and the materials being read. Francis Bacon summarized the issues of reading skills, purposes and materials in a passage in his essays "Of Studies":

Some books are to be tasted, others to be swallowed, and some few to be chewed and digested; that is, some books are to be read only in parts; others to be read but not curiously; and some few to be read wholly, and with diligence and attention. . . Reading maketh a full man; . . . therefore, . . . if [a man] read little, he had need have much cunning, to seem to know that he doth not.

Clearly, some reading materials neither require nor merit a deep, penetrating study involving the more sophisticated, higher



level reading behaviors. Extending the Bacon quote, we might say that a "good" reader can discriminate between those materials that are best read shallowly and those requiring a reading in depth. And when he finds a work that needs to be "chewed and digested," he can do it effectively. A "poor" reader, on the other hand, can only cope with the shallower types of reading materials and can only taste the upper layers of deeper ones.

## Reading Themes

The Reading themes cover both a variety of reading materials and the behaviors the materials require. The themes were developed by members of the National Assessment staff and reading specialists. The themes each represent a homogenous set of Reading exercises believed to be of interest to lay persons, scholars and educators who are concerned with the reading skills of various groups of young Americans. The themes have been numbered so that lower numbers designate lower order reading skills while the higher numbers indicate high order ones. The increasing complexity of skills in higher numbered themes should become clear in the brief descriptions of the Reading themes that follow. A more detailed description of each theme appears in Chapter 1 of the report for that theme.

## Theme 1: Understand Words and Word Relationships

Since most reading materials contain words, a reader must know the meanings of words and the way words relate to one another to form a meaningful sentence or paragraph. Understanding words and word relationships was examined in three ways: one required the respondent to give the meaning of a word in isolation; a second type required the respondent to figure out the meaning of a word from its contextual use; and a third required the respondent to recognize when sets of words combined to form a meaningful composite.

#### Themes 2-5

A "good" reader is able to do more than recognize words and word relationships. He is also able to locate important facts in many types of materials. Themes 2-5 are all concerned with the way people identify important facts in reading materials differing in both their nature and the reading skills they required.

<sup>1</sup>See Chapter 3, General Information Yearbook (Report 02-GIY).

## Theme 2: Graphic Materials

Subtheme A. Interpret drawings and pictures

Subtheme B. Read signs and labels

Subtheme C. Read charts, maps and graphs

Subtheme D. Read forms

Theme 2 uses a variety of formats other chan poetry or prose to convey messages. These graphic materials can be used either in the absence of words and sentences, or they can be used with explanatory or clarifying prose.

#### Theme 3: Written Directions

Subtheme A. Understand written directions Subtheme B. Carry out written directions

Directions are information-giving materials that tell how to do something. The subtheme understand written directions required only that an individual indicate that he could do what the directions state, given the opportunity. The subtheme carry out written directions required the individual to actually perform whatever the directions said.

#### Theme 4: Reference Materials

Subtheme A. Know appropriate reference sources Subtheme B. Use reference materials effectively

In order to find information in reference materials, a reader must know which type of reference to consult for a specific kind of information. Knowing where to look for particular kinds of information was the basis for the subtheme know appropriate reference sources. Once the appropriate source was located, an individual had to be able to locate the desired information, that is, use reference materials effectively, the second subtheme.

## Theme 5: Read for Significant Facts in Passages

This theme required the most concrete level of behavior toward line-by-line prose. Some exercises in this theme required the reader to extract certain facts from a passage while reading it. Other exercises required the individual to recall certain facts from a passage he had finished reading. Still other exercises required a person to see the ways in which various facts related to each other.



#### Themes 6-8

Anyone who can successfully locate important facts in the types of materials described in Themes 2-5 should be able to read adequately. A good reader, though, goes beyond locating facts in the things he reads; he is able to use higher level reading skills in attacking reading materials. skills described in Themes 6-8. Most of the exercises for these themes involved line-by-line prose, but some represented materials like those in Themes 2-4.

## Theme 6: Main Ideas and Organization

Identifying the main idea of a passage or discovering the passage's organization requires a higher level of comprehension than merely locating important facts. Some exercises required the reader to identify the main idea expressed in a passage either by suggesting an appropriate title or by identifying the point the author was attempting to make. Other exercises required the individual to identify the way the author had organized the facts in the passage.

## Theme 7: Drawing Inferences

Drawing inferences required an individual to draw a conclusion not explicitly stated in the passage but one that could be expected based on the organization of the passage and the information it contained. For some exercises, the individual needed only the information in the passage to derive a conclusion; for others, he also needed to have some additional information based upon his prior experiences.

#### Theme 8: Critical Reading

Critical reading required the highest level of reading behavior--analysis and reasoning. In addition, it required a reaction to or an opinion about the passage. Critical reading represents a deep interaction between author and reader that can lead to an understanding greater than the contribution of either party.



#### METHODS OF DESCRIBING THE DATA

## How to Understand National Assessment Data: The General Information Yearbook

In order to better understand the information in this report, you may want to read about the procedures National Assessment used in collecting, analyzing and reporting these data. That information is available in the General Information Yearbook (Report 02-GIY). The Yearbook also describes the origin, purposes and goals of National Assessment and the philosophy of assessment as contrasted to standardized testing.

## <u>Describing</u> the Data

This report contains results for people at four age levels (ages 9, 13, 17 and young adult, aged 26-35). Within each age level, we have also provided results for groups of people: persons from four regions of the country (Northeast, Southeast, Central and West), people of both sexes (male and female), two colors (Black and White), four levels of parental education (i.e., people whose parents had no high school, had some high school, graduated from high school and obtained post high school experience), and (for 9-, 13- and 17-year-olds still in school) seven sizes and types of communities (the seven are extreme inner city, extreme rural, small city, medium city, rest of big city, suburban fringe and extreme affluent suburb). Type of community information was not available for those in the out-of-school assessment (young adults and some 17-year-olds not enrolled in school) so that only the results for four sizes of community (big city, small city, medium city and urban fringe) are reported for young adults.

Results for each of the groups described in the preceding paragraph are given for each exercise. Most exercises call for answers that can be scored as "correct" or "incorrect" while others have some "best" or "most desirable" answers. The generic term for "correct," "best" or "most desirable" is acceptable, and we use the terms rate, level or percentage of success to describe



<sup>1</sup>See the General Information Yearbook, Chapter 3 (Report 02-GIY) for definitions of terms described in this paragraph.

the percent of the ropulation who could be expected to give the acceptable answer to an exercise. Percentages of success on each exercise are given for an age level. (i.e., the nation as a whole at that age) and for each of the groups within the age level (e.g., males).

When the percentage of success for each group is compared with the percentage of success nationally, the number obtained is called an <u>effect</u>; an effect is the difference between the percent of success for a group of people and the percent of success for the nation as a whole. Using those living in the Northeast as an example, the Northeast effect is:

Northeast Effect = Northeast % of Success - National % of Success

A positive effect (i.e., an effect having a value greater than zero) means that a larger percentage of individuals in the group in question gave acceptable answers to an exercise than did in the nation as a whole. For example, if 74% of 13-year-olds in the Northeast and 68% of the 13-year-olds nationally gave acceptable answers, the Northeast effect for 13-year-olds would be:

Northeast Effect = Northeast % of Success - National % of Success

68 = 748 - 688

A negative effect (i.e., an effect having value less than zero) means that a smaller percentage of individuals in a particular group had acceptable answers for an exercise than did in the nation as a whole. Thus, if 52% of 9-year-olds in the Northeast and 60% of 9-year-olds nationally gave acceptable answers, the Northeast effect for 9-year-olds would be:

Northeast Effect = Northeast % of Success - National % of Success

-8% = 52% - 60%

<sup>&</sup>lt;sup>2</sup>National Assessment infers the way entire groups of people (such as 9-year-olds from the Northeast) would do based on the performances of samples of individuals. This point will be spelled out in greater detail later in this chapter under the heading Limitations of the Data.

## Limitations of the Data

The National Assessment of Educational Progress was created to provide data about the educational achievement of groups of young Americans in 10 subject areas. Within the limits of error due to measurement and sampling, the data presented in National Assessment reports describe the educational achievements of the groups listed earlier under the heading, Describing the Data. There are limitations , to the descriptions our data provide. Consider the lowing:

Even though we refer to the difference observed between the achievement for a group and the nation as a group's <u>effect</u>, it is not true that a cause and effect relationship exists between the group and its level of achievement. For example, it is not possible to say that a positive Northeast effect is due to the fact that the people in the group came from the Northeast, that living in the Northeast leads to high rates of academic achievement. Rather, our use of the term <u>effect</u> comes from the word's statistical usage: the difference between the typical level of performance for one group and the typical level of performance for all groups. National Assessment was not designed to provide reasons for differences between group and national levels of success; its purpose is only to estimate such differences, leaving the interpretation of the differences to others—such as the readers of these reports.

Many factors affect the educational achievements of people in different groups. Consider, for example, a group whose achievement is well above the national level. Members of the group may attend schools having excellent physical facilities and high quality faculties, they may be members of advantaged families, they may have access to books and magazines at home and they may be encouraged by their parents to succeed academically. All these factors—and others not listed here—could contribute to the group's high level of achievement without even considering whatever the group's name represents. In other words, the name of a group is merely a label, and the characteristic it indicates



<sup>&</sup>lt;sup>3</sup>Art, Career and Occupational Development, Citizenship, Literature, Mathematics, Music, Reading, Science, Social Studies and Writing.

<sup>&</sup>lt;sup>4</sup>When data are obtained from samples of entire populations, it is improbable that the numbers we obtain are exactly the same as we would have obtained from the entire population. See the General Information Yearbook, Chapter 10 and Appendix C (Report 02-GIY) for a discussion of sampling error and the related concept, standard error.

(e.g., a region or sex) cannot be taken as the cause or even a cause for the group's level of achievement.

Further, the question of causality may be confused by a disproportionately large percentage of members of one group also being members of other kinds of groups (e.g., there are more people whose parents had no high school in rural areas than in affluent suburbs). To what degree is the performance of rural areas or affluent suburbs due to parental education?

We stated that the aim of National Assessment is to describe the educational achievement of entire groups of people. In making those descriptions, we do not collect data from all members of any group—that would be too expensive. Rather, we obtain data from carefully selected representative samples (in a manner similar to those used by the Harris or Roper polls) and we make inferences about entire groups based on the educational achievements of people in the samples. Sampling statisticians have shown that this procedure works, though data from carefully selected representative samples are subject to error. We've used statis—tical procedures to determine the probable extent of these sampling errors. These errors are taken into account in evaluating the effects for each group: these errors are considered when decisions are made about whether an effect is large enough to be important. This point will be considered in detail shortly.

When we looked at a group's effects on a set of exercises, our first concern was whether the effects were positive or negative: we needed to know the direction of the group relative to the nation as a whole. And then (since the values we have came from samples of persons), we asked how likely it was that the percentage of success for the group (e.g., everyone from the Northeast) was different from the national value. This is done simply; we assumed that if a group's percentage of success was equal to the national value, the effect for the group would be zero. More accurately, the sample's effects would be close to zero, with random error accounting for the sample effect not being exactly zero. All we needed to do, then, was look to see if the effect for the sample was close to zero: if it was, we said that it was likely that the sample of people who took the exercise came from a population (e.g., the Northeast) having a percentage of success the same as the one for the nation; if the effect was not close to zero (i.e., the value was large and negative or large and positive), we said it was unlikely that the sample came from a group whose percentage of success equalled that for the nation. When the latter case occurred, the population effect was said to differ reliably from zero. Translated into common parlance, this meant that we believed the percentage of success for the group in question was not equal to the percentage of success for the nation as a whole. In the exhibits, i.e., the tables, in this report, reliable differences are indicated with an asterisk (\*).

The only question that remains to be answered is "how far from zero must an effect be before it can be said to indicate a reliable difference?" The procedure for answering this question is based on a statistic called a standard error that can be used to tell how likely it is that a sample came from a population having an effect of zero. We believed that it was unlikely that the population effect was zero if the sample effect was not within two standard errors of zero. Conversely, we believed that if the sample effect was within two standard errors of zero, it was likely that the population effect might be zero. The term reliably different describes groups whose effects were not likely to be zero. We believe that there is less than 1 chance in 20 that they are zero, since inferential statistics indicates only 5 times in 100 will a population having an effect of zero have a sample whose effect is two standard errors larger or smaller than \* \*zero. Finally, when effects differ reliably from zero, we looked at the sign of the effect to determine its direction: a positive sign (which is dropped by convention from positive numbers) indicated that the group's effect was greater than zero (i.e., the group's percentage of success was above the national value); if it was negative, the percentage of success for the group was less than the one for the nation.

Unless an effect is reliable, it is possible that the size of the effect is due strictly to chance, not to a group's really being above or below the nation in academic achievement.

#### Summarizing the Data

Summary statements about a group's performance were derived from the group's specific effects on the individual exercises; however, it was often the case that such general statements did not adequately describe all of the effects for all exercises. This means you must be cautious in interpreting summary statements in the light of individual exercises; a group may have performed much better or much worse on a particular exercise than could be expected based on the group's performances on other exercises. We have indicated those exercises where a group behaved differently than we would have expected relative to its own overall performance.

In summarizing the data for a set of exercises, we have calculated a single statistic describing each group's overall performance relative to the national level. The statistic we have chosen is the group's median effect; it tells where the middle of the group's effects is located. That is, it indicates the point separating the top 50% of the effects from the bottom 50%. However, it would be misleading to say that a group's overall behavior is above or below the national level if its

median effect is close to zero. As we have seen, it is possible that such a median differs from zero only because of random error; it is possible that this group's performance is really about equal to the nation's for exercises on this theme. The question again becomes one of determining whether the median is far enough from zero to consider the departure to be reliable. This question is answered by looking at individual effects.

We said earlier that we could place little weight on unreliable effects. However, even if effects were not reliable, when a large proportion of them were either above or below zero, we had an indication that the group's overall performance differed from the national level. Stated another way, we can say that the group's performance tended to be above or below the national level. If, in addition to having a large proportion of its effects occurring in one direction, a group had many reliable effects, we have an indication that the group's overall behavior differs strongly from the national level. National Assessment has used several rules to indicate when a group's overall behavior tends to be about the same as the national level, tends to differ weakly from the national level or differs strongly from the national level. They are:

- 1. A group's overall performance on a theme tended to be about the same as the national level if fewer than 75% of its effects for a set of exercises occurred either above the natio 1 level or if fewer than 75% fell below it. In other words, if at least 25% of a group's effects are positive (greater than zero) and at least 25% are negative (less than zero), the group's overall behavior is about the same as the national level. 5
- 2. A group's overall performance on a theme tended to be above the national level if 75% or more of its effects were positive. In other words, if fewer than 25% of the group's effects were below the national level, the groups were said to have a positive tendency.
- 3. A group's overall performance on a theme tended to be below the national level if 75% or more of its effects were negative. In other words, if fewer

<sup>&</sup>lt;sup>5</sup>The points designating the upper and lower 25th centiles are called <u>quartiles</u>. For a more complete description of the quartiles, see the <u>General Information Yearbook</u>, Appendix E (Report 02-GIY).

than 25% of the group's effects were above the national level, the group was said to show a negative tendency.

- 4. A group's overall performance on a theme was characteristically above the national level if at least 75% of its effects were positive and if more than 50% of its effects were reliably greater than zero, i.e., the effects are more than two standard errors above the nation as a whole. This level of general performance is called a positive characteristic.
- 5. A group's overall performance on a theme was characteristically below the national level if at least 75% of its effects were negative and if more than 50% of its effects were reliably less than zero, i.e., the effects were more than two standard errors below the national value. Negative characteristic is the term applied to this level of performance.

## Atypical Exercises

Looking for directional tendencies and characteristics provided a means of comparing each group's overall performance with performances nationally. Identifying tendencies and characteristics also helped locate exercises where groups scored much higher or lower than usual. These atypical exercises were located by comparing each effect for each exercise with the median effect for all the exercises for the group, and noting any exercise that was more than 2 1/2 pooled standard errors away (a pooled standard error is based on the standard errors for all the exercises in the theme<sup>6</sup>). Another way of looking at this situation is to say that any effect more than 2 1/2 pooled standard errors away from the median effect for the group was unlike the other effects for the group. When a group has an exceptional exercise, this report will contain a statement telling whether the group's performance was unusually better or worse than would be expected—given the median effect for the group.

<sup>&</sup>lt;sup>6</sup>Chapter 10 and Appendix C of the <u>General Information Yearbook</u> (Report 02-GIY) discuss the meaning and use of the standard error. Appendix C gives the formula for the pooled standard error we use.

#### CHAPTER 1

## THEME 2: GRAPHIC MATERIALS

Graphic materials transmit information through drawings, diagrams and symbols other than words. Words may appear in graphic materials, but they do not carry the greatest burden of communication. A person who can read and understand graphic materials understands words and word relationships. But more importantly, he can comprehend the other symbols the materials contain.

Theme 2 is divided into four subthemes, each representing a set of related exercises:

- A. Interpreting drawings and pictures
- B. Reading signs and labels
- C. Reading charts, maps and graphs
- D. Reading forms

Most exercises in Subtheme A are simple pictures or cartoons, and respondents were asked questions about the information the materials contained. Because of their low level of sophistication, these exercises were administered primarily to 9- and 13-year-olds.

Subthemes B-D covered a wide range of interaction between words and diagrams or drawings. Exercises in Subtheme B asked respondents questions about information contained in signs or labels. Subtheme C--reading charts, maps and graphs--could be considered as part of Theme 4: Reference Materials, since an individual consults these materials in search of specific information. The process of finding information in these materials is a study skill. Subtheme D asked questions that could be answered by referring to forms (such as bills) that were included in the exercises.



#### CHAPTER 2

#### SUMMARY OF RESULTS

The two exhibits in this chapter summarize the results for Theme 2, results that are spelled out in detail in Chapters 3 through 6.

The two exhibits summarize the results in different ways. Exhibit 2-1 shows the median effects for each group at each age level. Exhibit 2-2 indicates whether the effects for a group were generally below, at or above the national percentage of success. Those groups designated with a double plus (++) were characteristically above the national value while groups identified with one plus (+) tended to be above that figure. Groups having a zero (0) had medians approximately at the national level while those with one minus sign (-) tended to be below the national value, and those having a double minus (--) were characteristically below the national percentage of success.

Results for the subthemes are displayed in the chapter for each age level.

<sup>&</sup>lt;sup>2</sup>The underscored terms are defined in the chapter on Methods of Describing the Data.



<sup>&</sup>lt;sup>1</sup>Medians, effects and groups are all defined in the chapter on Methods of Describing the Data.

EXHIBIT 2-1. Median Effects for Groups at Each Age

			Age								
Reporting Category	Group	9	13	17	Adult						
Region	Southeast West Central	-6.2 6 3.4 1.7	-4.2 .1 2.2 1.9	-3.7 .0 2.8 1.2	-7.2 2.8 1.5						
Sex	Northeast Male	-1.3		-1.3	2.0						
Po co	Female	1.3	1.3	1.3	-1.9						
Race	Black White	-15.8 2.6	-13.2 2.5	-13.2 1.8	-18.3 2.5						
Parental E	Education No High School Some High School High School Graduate Post High School	-7.9 -3.6 .5 6.1	-8.4 -3.5 .6 5.7	-7.8 -4.3 .3 4.2	-6.2 .1 3.4 6.9						
-	2	-9.9 -4.3 1 2 2.1 1.5 7.8	-7.2 -3.7 4 .7 1.0 2.7 4.4	-6.6 -2.5 -1.1 .5 .7 1.3							
Size of Co	ommunity Big City Small Place Medium City Urban Fringe				-3.2 .8 .8 1.5						

# EXHIBIT 2-2. Tendencies and Characteristics for Groups at Each Age Level

<b>D</b>		Age								
Reporting Category	Group	9	13	17	Adult					
Region										
<b>,</b>	Southeast		·							
	West	0	0	0	+					
	Central	++	++	++	+					
	Northeast	++	+	0	0					
Sex										
	Male	0	0	_	0					
	Female	0	0	+	0					
Race										
	Black									
	White	++	++	++	++					
Parental E	Education									
	No High School									
	Some High School	-	_		0					
	High School Graduate	+	+	0	++					
	Post High School	++	++	++	++					
Size and T	Type of Community									
	Extreme Inner City			_						
	Extreme Rural	-	-	0						
	Small City	0	0	_						
	Medium City	0	0	0						
	Rest of Big City	0	0	0						
	Suburban Fringe	+	+	+						
	Extreme Inner City	++	++	++						
Size of Co	ommunity									
	Big City				-					
	Small Place				0					
	Medium City				0					
	Urban Fringe				0					

#### CHAPTER 3

## RESULTS FOR 9-YEAR-OLDS

The 9-year-olds who participated in the 1970-71 assessment of Reading were all born during the calendar year 1961. About three fourths of them were in the fourth grade and most of the others were in the third grade at the time of the assessment.

Generally speaking, 9-year-olds chose the acceptable response about 85% of the time on the 19 exercises in Theme 2, and their percentages of success on half of the exercises were between 74% and 89%. Another indication of their consistency can be seen in their performances on the subthemes (see Exhibit 3-1).

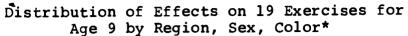
EXHIBIT 3-1. Performance on the Subthemes

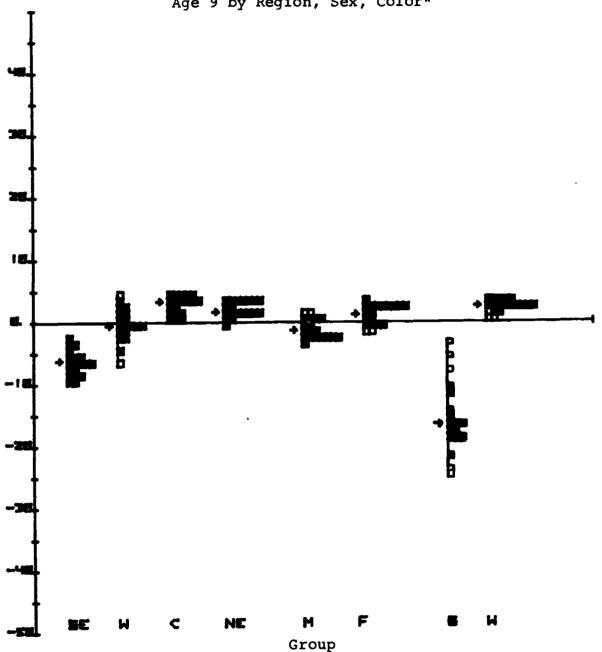
	Subtheme	Median Percentage of Success	Number of Effects
A.	Interpreting drawings and pictures	87.6%	6
В.	Reading signs and labels	84.9	7
c.	Reading charts, maps and graphs	80.2	6
D.	Reading forms	-	0
	TOTAL	85.3%	19

Nine-year-olds from different regions of the country showed different median effects (see Exhibit 3-2). Children from the Northeast and Central regions showed a positive characteristic, 1

<sup>1</sup>See pages xiv and xv for a description of characteristics, tendencies and exceptional exercises.

EXHIBIT 3-2

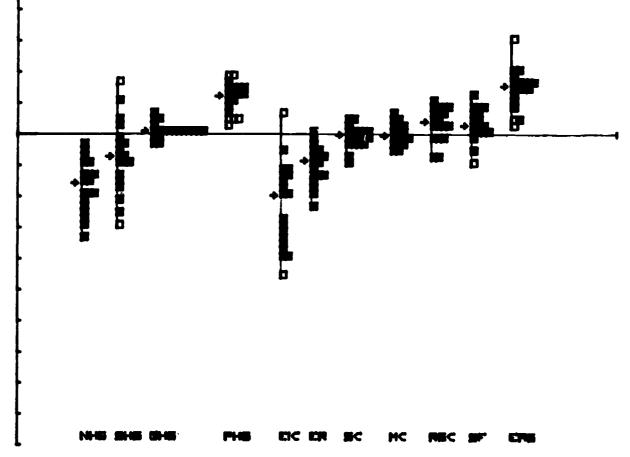




\*Arrows indicate group medians, blackened boxes indicate typical exercises, open boxes indicate atypical exercises. Abbreviations: SE, Southeast; W, West; C, Central; NE, Northeast; M, male; F, female; B, Black; W, White.

#### EXHIBIT 3-2a

Distribution of Effects on 19 Exercises for Age 9 by Parental Education, Size and Type of Community\*



Group

\*Arrows indicate group medians, blackened boxes indicate typical exercises, open boxes indicate atypical exercises. Abbreviations: NHS, no high school; SHS, some high school; GHS, high school graduate; PHS, post high school; EIC, extreme inner city; ER, extreme rural; SC, small city; MC, medium city; RBC, rest of big city; SF, suburban fringe; and EAS, extreme affluent suburb.



while Southern 9-year-olds had a negative one. Nine-year-olds from the West had percentages of success similar to those for the nation as a whole, though they did have two exceptional exercises; they performed unusually poorly on Exercise R214, part 5 (Subtheme C), and unusually well on Exercise R209 (Subtheme B).

Both boys and girls had levels of success generally close to the value for the nation as a whole, though there were again two exceptional exercises. On exercises where they were asked to read labels (U202 and R209, both from Subtheme B), boys had success rates that were unusually high for them, girls had success rates lower than their performances on other exercises.

White children's effects were characteristically positive while Black children's were characteristically negative. There were three exceptional exercises where Whites performed less well than they usually did and Blacks performed better than they had on other exercises. Those exercises were R204 (Subtheme B), R209 (Subtheme B) and R210 (Subtheme A). On another Subtheme B exercise, U213, and R205 (Subtheme A), Blacks performed less well than on other exercises.

The percentages of success for 9-year-olds seemed to increase with parental education: while children whose parents had no high school had characteristically negative effects and those whose parents had some high school showed a negative tendency, children whose parents graduated from high school displayed a positive tendency and those whose parents continued past high school were characteristically positive. Children whose parents had some high school performed better than usual on an exercise in reading signs (R205), less well than usual on one involving other signs (R208). Children of parents who continued their educations past high school did unusually well on a map reading exercise (R214, parts 2 and 4), and unusually poorly on an unreleased Subtheme A exercise (U201), a label exercise (R209), one of the exercises involving signs (R212) and an exercise involving figures made out of lines (R207).

Children from the extreme inner city and extreme rural areas showed negative characteristics and negative tendencies, respectively. Inner city children, further, read the dog food labels unusually well (Exercise R209), and did unusually poorly on the second part of the map reading exercise (R214). Children from small cities, medium cities and the inner urban fringe all had median values close to the nation as a whole; suburban fringe children showed a positive tendency, though they performed less well on the fifth part of the map reading problem (R214). A positive characteristic was displayed by extreme affluent suburb children who performed better than usual in reading the bubble gum labels (R204), less well than they usually did reading cereal boxes (U202) and some simple traffic signs (R212).

The way each of the groups performed relative to the nation as a whole on each subtheme is shown in Exhibit 3-3. That exhibit displays the median effect for each group for each subtheme. At the time this report was written, pooled standard errors for subthemes were not available, and it was therefore not possible to identify exceptional subthemes for a group in the manner exceptional exercises were located. In looking at the subtheme medians, bear in mind that the greater the difference between two median values, the more likely it is that the groups represented by the numbers really differed from one another in their ability to respond to exercises in the subtheme; the greater the difference between two subtheme medians, the more likely it is that the difference is not simply due to chance.

The remainder of this chapter is devoted to the exercises administered to 9-year-olds. Each exercise is numbered with a letter and a numeral. The letter (either R or U) indicates whether the text of the exercise has been released or is unreleased. The unreleased exercises are being retained for the next Reading assessment, in 1975-76. These exercises will be used again, and comparisons can be made between the 1969-70 results and the results collected during 1975-76.

The text for released exercises is presented exactly as the exercises were administered during the assessment. The acceptable answer is indicated (by a blackened oval) as is a brief discussion of the exercise itself and how the respondent may have arrived at the acceptable answer.<sup>2</sup>

Along with the exercise and/or its description, the percentage of success and the effects are presented for all the groups. A histogram is given with the percentage of success for each group represented by a bar. The leftmost vertical line (which cuts across the bar for each group) represents the national percentage of success, and the distance from the end of a group's bar to that line represents the group's effect—the difference between the performance for a group and the performance of the nation as a whole.

Starred effects (marked with an asterisk) indicate effects that differ reliably from zero.

Though the correct or best answer may have been reached by guessing, guessing is not considered here as a method for reaching the correct answer; the mention of guessing now is sufficient for all the exercises.

ERIC\*

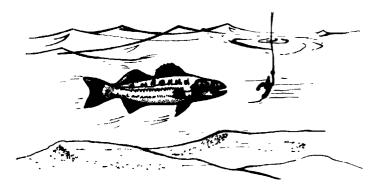
EXHIBIT 3-3. Median Effects for Subthemes

Group		Subtheme		All Sub- themes
	A. Interpreting B. drawings and pictures	Reading C. signs and labels	Reading charts maps and graphs	
Region Southeast West Central Northeast	-7.1 -0.1 3.0 1.9	-6.0 -0.6 2.7 1.7	-6.3 -0.4 3.7	-6.2 6 3.4
Sex Male Female	-2.1	0.2	6.0-	1.3
Race Black White	-17.4	-14.0 2.4	-16.5 2.6	-15.8
Parental Education No High School Some High School High School Graduate Post High School	-7.8 -2.3 0.7 5.1	0 - 1 0 - 0 0 - 0 0 - 0	-11.3 -2.9 0.4 7.2	-7.9 -3.6 .5
Size and Type of Community Extreme Inner City Extreme Rural Small City Medium City Rest of Big City Suburban Fringe Extreme Affluent Suburb		1.000.07 0.000.000.0000.0000000000000000	-16 -13 -13 -13 -13 -13	
Number of Effects	9	7	9	19

RELEASED EXERCISES



Exercise R203, Subtheme A



Look at the picture and fill in the oval beside the sentence which tells BEST what the drawing shows.

- The fish has already eaten the worm.
- The worm is probably not on a hook and line.
- The fish looks as if he is going to eat the worm.
- The fish is waiting for the worm to be put in the water.
- O I don't know.

NO2 02 3/1 03+X203014 900040V0

9 13

#### NATIONAL AND GROUP PERCENTAGES OF SUCCESS

\$ 0.5	GROUP	Why and Charle	PERCENTAGE OF SUCCESS										
SUCCESS	EFFECT	VARIABLE GROUP	0	10	20	30	40	50	60	70	80	90	100
87.5		HATTOWAL	****	*****	*****	*****	* * * * * * * *	*****	•••••	******	•••••	**!	i
81.3	-6.2=	REGION Southeast	****								*****	-	!
86.2	-1.3	Southerst Vest	****	*****	*****	******	******	****		*******	******	**	i
90.9	3.3*	Central	****	******	******	******	******	******	******	******	******	*****	į.
89.7	2.2	Northeast	****	******	*******	*****	******	******	******	*****	******		
		SEX					*******						!
95.5 99.7	-2.0* 2.2*	Male Pemale	*****	*****	*****	******	******	*****	******	******		***	i
69.0	-18.5*	<u>COLOR</u> 5lack	****	••••	******			*****		***		į	į
97.4	2.9*	White	****	*****	*******	*****	*******	******	******	*****	*******	****	į
		PARENTAL EDUCATION											
76.5 83.9	-11.0* -3.6	No High School Some High School	*****	******	******	*******		********		********	 	- !	- !
89.6	2.1	Graduated High Sch.	****	*****	******	*******	******	*******	******	******	******		i
91.7	4.2*	Post High School	****	******	******	*******	******	******	*******	******	******	*****	į
		SIZE-AND-TYPE OF COMMUNITY										į	į
69.1	-19.50	Extreme Inner City	****	*****	******	******	******	******	******	***		i	i
80.9	-6.6	Extreme Rural	*****	******	******	******	******	******	******	*******	*****	!	!
85.8 90.5	-0.7 3.0	Small City Medium City	*****	******		******	******	******	******	*****	******	****	!
89.3	1.8	Rest Of Big City	*****	******	*****	******	******	******	******	******		****	
92.0	4.4-	Suburban Fringe	****	****	******	******	******	******	******	******	******	******	· i
93.6	6.1*	Extreme Aff Suburb	*****	******	******	******	******	*******	******	******	******	*****	* 1

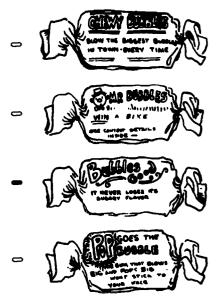
Exercise R203, Subtheme A

In order to respond correctly, a child could either intuit the feelings of the fish or eliminate the three incorrect responses leaving only the third alternative.



Exercise R204, Subtheme B

If you wanted to buy some bubble gum that would stay sweet for a long time, which of these would you buy? Fill in the oval beside the bubble gum you would buy.



C I don't know

H02 06 3/1 03\*X204011 R10000V0

9 13

#### NATIONAL AND GROUP PERCENTAGES OF SUCCESS

5 OF	GROTE					PERCEN	TAGE OF	SUCCESS				
SUCCESS	effect	YARIABLE GROUP	0 10	20	30	40	50	60	70	80	90	100
65.4		JAROITAK	************	****	*	******	•••••	••••••	•	•	•	
62.9 63.5 66.2 58.7	-3.3 -1.9 0.8 3.4	REGION Southeast West Central Wortheast	************	*******	 	******* ******* ******	********	******* ******** *******				1
63.0 67.9	-2.4 2.6	<u>SZX</u> Hale Female	***********	*******	••••••	*******	*******	******	 			!
57.5 66.5	-7.9* 1.1*	COLOR Black White	***********	******	••••••	*******	*******	***	•			
56.3 60.7 68.1 71.8	-9.0* -4.7 2.8 6.4*	PARENTAL EDUCATION NO High School Some High School Graduate1 High School Post High School	***********	*******	••••••	  	*******	** ***** *****				; ; ;
60.2 58.4 61.3 67.4 69.0 64.6 91.2	-5.2 -7.0 -4.1 2.1 3.6 -0.7 15.8*	SIZE-MED-TIPE OF COMMUNITY Extreme Inner City Extreme qural Small City Yedium City Rest of Big City Suburban Fringe Extreme Aff Suburb	************		   	*********		*********		*****		1

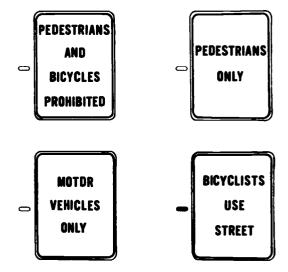
Exercise R204, Subtheme B

In order to see that the third gum wrapper enclosed a piece of bubble gum that would "stay sweet for a long time," the child would have to understand that the preceding expression and "it never loses its sugary flavor" were synonymous.



Exercise R205, Subtheme B

Which sign shows where you should ride your bicycle?



🗀 l don't know

402 11 3/1 04#Y205011 R10000Y0

9 13 17

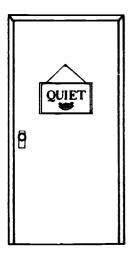
MATIONAL AND GROUP PERCENTAGES OF SUCCESS

\$ 9F	GROOP	MIRTINE CROSS	PERCENTAGE OF SUCCESS
2000355	eceici	YARIABLE GPOUP	0 10 20 30 40 50 60 70 80 90 100
69.9		JAPOITAN	· · · · · · · · · · · · · · · · · · ·
60.5 68.7 72.3 72.1	-8.3° -0.6 3.4 3.3	R <u>PGI24</u> Southeast West Central Wortheast	***************************************
69.1 69.6	0.2	<u>SPX</u> Hale Female	***************************************
44.7 72.6	-24.8* 3.8*	COLOR Black White	***************************************
61.3 77.1 67.4 75.7	-7.5* 8.3 -1.4 6.8*	PARATEL SPUCATION  TO High School Some High School Graduated High School Post High School	***************************************
50.4 60.6 69.4 67.2 73.2 77.4	-18.5* -8.2 0.6 -1.6 4.8 3.9 10.2*	SIZE-IND-TIP. OF CONSUNIT!  Extreme In 'v Fatte il Small -vty Hedium Clty Rest of Big City Suburban Fringe Extreme Aff Suburb	***************************************

Exercise R205, Subtheme B

In order to respond correctly to this exercise, a child would have had to know the meanings of pedestrians, motor vehicles and prohibited and he would have to know that a bicvclist is one who rides a bicycle.

Exercise R206, Subtheme B



Look at the picture and fill in the oval beside the sentence which tells BEST what the drawing shows.

- A sign is hanging by the door.
- A sign is hanging on the door.
- A sign is hanging over the door.
- A sign is hanging near the door.
- O I don't know.

403 07 3/1 02\*X206011 R1000V0

9 13

#### NATIONAL AND GROUP PERCENTAGES OF SUCCESS

1 OF	390U P	#1#14B1B #F8#B	PERCENTAGE OF SUCCESS										
<u>şuc</u> ç <u>es</u> s	ezfect	VARIABLE GROUP	0	10	20	30	40	50	60	70	80	90	100
99.9		NATIONAL	****	****	*****	•••••	••••••	····•	****		•••••	••••	i
93.5 96.9 93.0 97.5	-5.3* -2.0 4.2*	REGION Southeast West Central Mottheast	****	*********		*******	· • • • • • • • • • • • • • • • • • • •	*******		*******	*******		!
85.9 91.5	-2.8* 2.7*	SEX Nale Female	****	*******	*******	******	• • • • • • • • • • • • • • • • • • • •		••••••	••••••	*******	•••	 
70.6 91.3	-18.2° 2.6°	COLOR Black White	****	*******	********	******	• • • • • • • • •	******	********	*****			
92.? 77.9 99.5 94.5 .	-6.5* -10.9* 0.8 5.7*	PARENTAL EDUCATION NO High School Some High School Graduated High School Post High School	****	*********		******		*******		********	*******	•••	••
97.1 89.1 86.9 99.4 89.2 89.1	-8.6* 0.5 -1.9 0.6 -0.5 0.3 7.2*	SIZE-AND-TYPE OF CONTUNITY  Zxtreme Inner City Extreme Rural Small City Wedium City Rest Of Big City Suburban Fringe Extreme Aff Suburb	***** **** **** ****	*** ** ***							*****		



## Exercise R206, Subtheme B

This exercise required two things of the children who took it. First, it required that they be able to determine where the sign was hanging relative to the door, and second, they had to translate their perceptions into the proper preposition, in this case, on.



Exercise R207, Subtheme C

Here are some figures with an oval below each figure. Fill in the oval below the figure that can be made with just three lines that cross each other.



NO3 09 3/1 03\*X207013 R00300V0

\$ 0F	GROUP	**************************************					PERCE	NTAGE OF	SUCCESS				
SUCCESS	<u> LPPECT</u>	YARIABLE GROUP	0	10	20	30	40	50	60	70	80	90	10
			•	•	•	•	•	•	•	•	•	<b>7</b>	
89.2		MATIONAL	****	******	********	******	••••••		*******	******	******	****	
		REGION				-						i	
99.2	-9.0*	Sout heast	***	******		******				******	*****	i	
91.6	2.40	West	***		******		********		*******	*******	****, ***	*****	
93.)	3.9*	Central	****	*****			• • • • • • • • •		******	*******		***   * * *	
90.6	1.4	Northeast	****	*****	********	******	••••••	• • • • • • • •	********	••••••	*******	••••	
		SPX										1	
98.5	-0.7	Male	****		******	******			********	*****	*******	****	
89.9	0.7	Pemale	****	******	••••••	*******	******	******	*******	*******	*******	••••	
		20103										į	
74.0	-15.2*	Black	****	******	********	******		******	******			- 1	
91.3	2.1*	White	****	•••••	• • • • • • • • • •	******	• • • • • • • • •	• • • • • • • •	• • • • • • • • •	******	•••••	••••	
												ł	
		PARENTAL EDUCATION										ı,	
79.9	-9.2*	40 High School			*******		*******			*******	****	_ 1	
99.9	1.8	Some High School								*******	******	*****	
89.8 91.9	0.6 2.7*	Graduated Hi7h Sch.	***		*******				********		*******	****	
71.7	2.7*	Post High School	****		•••••	•						!	
		OP CONNUNITY										- 1	
62.4	-6.8	Extreme Inner City	****	******	*******	******	*******	*******		*****	******	i	
86.1	-3.1	Extreme Rural	****	*****		******		******		******	*******	•• i	
88.5	- õ. 7	Small City	***	******	*******	*******		******	*	*******	*******	• • • •	
86.9	-0.4	Medium City	****		********		*******	******	*******	*******			
91.2	2.1	Rest Of Big City	****	******	******	******	*******	******	*******	*****	*******	• • • • • •	
99.9	0.7	Suburban Fringe	***		********							****	
94.?	5.0*	Extreme Aff Suburb	****	******	** **** ***	******	********	*******		*******	*******	*******	

Exercise R207, Subtheme C

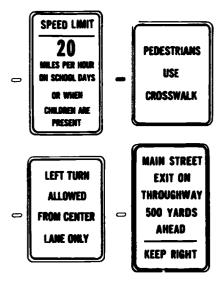
In order to determine that the only figure made of three crossing lines was the third one, each child had to resolve each figure into its parts.



Exercise R208, Suptheme B

Some road signs tell people who are driving cars what to do. Other signs tell people who are walking what to do.

If you are walking, which sign tells you what to do? Fill in the oval beside the correct sign.



I don't know

404 06 3/1 3346208011 R10100VD

9 1

\$ 7F	G* OUP	#147101F (DAME)					PERCEN	TAGE OF	SUCCESS				
SUCCESS	PPFECT	YARIABLE GROUP	0	10	20	30	40	50	60	70	80	90	100
97.3		WATIOWAL	****	•••••	•••••	•••••		•••••	•••••	*******		•••	•
		RECION										į	į
A),2	-7.1*	Southeast	****		*******	*******	******	*******	*******	******	****	1	- 1
A9.7	1.4	West	****	*****	*******	*******	******	*******	*******	*******	*******		- 1
99.0	2.7	Central	*** .	*******	*******	*******	*******	******	*******	******	*******	****	- 1
89.5	2.2	Mortheast	****	• • • • • • • •	******	*******	*******	******	*******	******	******	****	- !
		C=¥										į	į
96.0	-1.3	<u>SFX</u>										!	. !
88.4	1.3	remale									*******		!
07.7	1.3	-emate	••••										- 1
		COLOR										1	- !
73.3	-14.0*	Black	****		*******	*******	*******		*******	******		i	i
89.9	2.4*	white	****	*****	*******	******	*******	******	******	*******	•••••	***	į
												ì	i
		PARENTAL EDUCATION										ı	- 1
81.2	-6.1	Wo High School	****	******	*******	******		******	******	******	*****	1	
73.7 96.7	-14.4*	Some High School	****			********	*******		******	******		!	
93.4	-0.6 6.1*	Graduated High Sch.	****				********			*******	••••••	**!	. !
91.4	0.1-	Post High School	••••			********		********		*******		1	' !
		SIZE-AND-TYPE OF COMBUNITY										į	į
91.)	-6.3*	Extreme Inner City	****	*****			******	******	******	******		:	- 1
83.1	-4.3	fatreme Pural	****	******	******	******	******	******		*******	******	- 1	- 1
87.4	ő. ó	Small City	****	******	******	*****	*******		*******	******		***	- ;
85.7	-2.3	Medium City	****	******	******	******		*****	******	*******	******		
86.5	-0.8	Rest Of Big City	****		******	******	******	******	******	******		**!	i
99.3	3.0*	Suburban Fringe	****	******	******	******	*******	******	*******	******	******		i
95.7	8.4*	Sytteme Aff Suburb	****	•••••	•••••	******	******	******	******	••••••	******	******	••• i

Exercise R208, Subtheme B

This exercise required children to be able to determine that only the upper right hand sign pertained to a person who was walking. There were two ways a child could choose the correct sign: he could know the meaning of the word pedestrians (since only one sign referred to walkers), or he could eliminate the other three signs by figuring out that they all pertained to cars.



#### Exercise R209, Subtheme B

Look at the labels from two cans of dog food. One can has more protein in it than the other. Fill in the oval below the dog food that contains more protein.

Ash	31
Crude fiber	178
Crude protein	65%
Crude fat	118
Moisture	43
Vıtamin E	trace
PREMIUM DOG F	00D
A Beef Produ	ict

Ash	21
Crude fiber	45%
Crude protein	201
Crude fat	30%
Moisture	34
Vitamin E	:race
HEARTY DOG FO	

O I don't know.

NO4 10 3/1 01\*X209013 R00300V0

9 13

7 OF	GROUP						PERCEN	TAGE OF	SUCCESS				
SUCCESS	ezfect	YARIABLE GROUP	0	10	20	30	40	50	60	70	80	90	100
67.4		MATIONAL	****	•••••	•••••	*****	*	*	*****	•••	•	•	i
57.5	-6.8*	RFGIQ# Southeast	****	•••••	*******	******	******	******	*****	İ			
71.6 68.1 69.1	4.2* 0.6 1.6	West Central Wortheast	****	******		******	*******	*******	*******				!
69.1 65.8	1.7 -1.6	<u>ŞEX</u> Hale Female	****	••••••	••••••	*******	*******	*******	*******				!
65.7 67.6	-2.2 0.2	<u>COLOR</u> Black White	****		••••••	******	******	******	••••••				1
55.0 65.9 67.5	-2.4 -1.5 0.1	PARENTAL EDUCAT 2N Windows Might School Graduated High ich.	****	******	 	******		*****	*******				
69.6	2.2	Post High Sc 1001 SIZE-AND-TYPE OF COMMUNITY	****	*======================================									!
70.5 56.3 69.6 69.5 63.9	3.1 -11.1* 2.2 2.1 -3.6	Extreme Inner City Extreme Rural Small City Tedium City	****	******** ******* ******		*******		*******	********				
64.5 74.9	-3.6 -2.9 7.5*	Nest Of Big City Suburban Fringe Extreme Aff Suburb	****	******	••••••	*******	*****	******	******		•		ļ

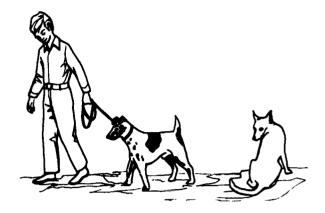


# Exercise R209, Subtheme B

In order to respond correctly to this exercise, a child had to know that 65 was greater than 20 and he had to assume that the HEARTY can was not more than 3 1/4 times larger than the PREMIUM can.



Exercise R210, Subtheme A



Look at the picture and fill in the oval beside the sentence which tells BEST what the drawing shows.

- O The boy has two dogs on a leash.
- The boy is walking behind his dog.
- The dog on the leash has spots on it.
- The dog sitting down has spots on it.
- O I don't know.

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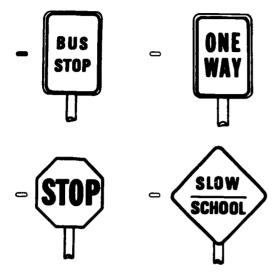
₹ or	GROUP						PERCEN	TAGE OF	SUCCESS				
SUCC#SS	EFFECT	YARLABLE GROUP	0	10	20	30	40	50 +	60	70	80	90 +	100
95.3		WATIONAL	••••	*****	•••••	•••••	******	*****	••••••	******	••••••	1	!
75.3 83.3 90.2 54.9	-9.0* 3.0 4.9* -0.3	REGION Southeast West Central Wortheast	****	±00000±0							,00 ,0000000 ,0000000	 	 
83.4 87.2	-1.9= 2.0*	<u>ŞEK</u> Hale Female	****	••••••					••••••				1
56.4 99.7	-18.8° 3.4°	COLOR Black White	0400 1440	******		••••••			••••••	•••			1
75.9 78.3 87.1 94.0	-9.80 -6.4 1.9 8.70	PARENTAL EDUCATION  No High School Some High School Graduated High School Post High School	****								,		
59.3 79.2 86.2 84.3 86.7 87.9	-17.0° -6.1 0.9 -1.0 1.4 2.7 9.7°	SIZS_APP_TIPE OF_CONTURETY Fatreme Inner City Fatreme Aural Small City Wedium City Rest of Biq City Suburban Fringe Extreme Aff Suburb	***** ***** **** ****	00000000000000000000000000000000000000									

Exercise R210, Subtheme A

This exercise required 9-year-olds to evaluate four different descriptions of a picture and decide which description was most accurate. The instructions to the child imply that there is no correct response, but only a best one. This may mean that even though half of the sitting dog is hidden, and the hidden part may be laden with spots, the third alternative is preferred because it is more readily verifiable.

Exercise R212, Subtheme B

Fill in the oval beside the sign that a boy might look for if he needed to take a bus home.



C I don't know

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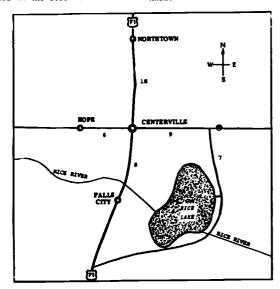
1 of 5000755	SROUP EFFECT	VARIABLE GROUP	PERCENTAGE OF SUCCESS											
		***************************************	0	10	26	30	40	50	60	70	80	90	100	
97.0		NATIONAL	****	••••	•••••	*****	*****	•••••	•••••••••••••••••••••••••••••••••••••••	••••	•••••	•••••	•••• ;	
		REGION											- 11	
94.3	-2.7*	Southeast	****	******			•••••	••••••		•••••	••••••	•••••	• ! !	
96.3	-0.7	West	••••	******	******	••••••	*******	••••••	••••••	••••••	•••••	•••••	••••	
98.1	1.1	Central	••••		•••••	••••••	*******	•••••	••••••	• • • • • • • •	•••••		••••	
99.4	1.4*	Northeast	••••	••••••	******	•••••	*******	•••••	••••••	••••••	•••••	•••••	••••	
		521											-	
97.7	0.7*	Male	****	~ • • • • • •	•••••	•••••	•••••	•=•••••	••••••	••••••	•••••	•••••	•••• i	
96.3	-0.7•	Pemale	••••	••••••	••••••	•••••	•••••••	••••••	••••••	• • • • • • • • •	•••••	•••••	•••	
		COLOR												
92.3	-4.70	Black	****	••••••	******	••••••	••••••	••••••	••••••	••••••	•••••	•••••	. i i	
97.8	0.9•	White	••••	• * • • • • •	•••••	•••••	••••••	••••••	••••••	••••••	•••••	•••••	••••	
		PARRETAL_SDUCATION											- [ ]	
95.9	-1.2	No Migh School	••••	•••••	••••••		*******						•••i i	
95.4	-0.5	Some High School	••••	••••	*******	•••••	••••••	••••••	••••••	••••••	•••••		•••i i	
97.2	0.2	Graduated Migh Sch.	****		******	•••••	••••••	*****	••••••	••••••	••••••	••••••	••••	
99.8	1.8•	Post High School	****	•••••	•••••	••••••	••••••	•••••	••••••	•••••	••••••	•••••	••••	
		SIZE-AND-TYPE OF_CONSUNITY											- ! !	
34.0	-2.9	Extreme Inner City	• • • •	•••••	••••••	• • • • • • • •	•••••						. !!	
94.5	-2.4	Extreme Rural	****	•••••	•••••	•••••	• • • • • • • •	••••••					•• ! !	
95.4	-0.6	Small City	****	••••••	••••••	••••••	•••••	••••••	******	••••••	••••••	*****	•••; ;	
36.7	-0.3	Medium City	••••	• • • • • • •	******	••••••	*******	••••••	••••••	•••••	•••••		••••	
99.8	1.9•	Reat Of Big City	••••	• • • • • • • •	******	• • • • • • • •	•••••	••••••	******	••••••	••••••	•••••	•••••	
94.0	1.0	Suburban Pringe	***	•••••	*******	•••••	*******	••••••	•••••	••••••	•••••	,	••••	
99.3	2.3•	Extreme Aff Suburb	••••	••••••	••••••	••••	••••••	••••••	*******	••••••	••••••	••••••	•••••	

Exercise R212, Subtheme B

This exercise asked children to decide which of four signs related to buses. The correct response involved the only one of the four signs that contained the word "bus."

Exercise R214, Subtheme C

Look at the road map and read each sentence carefully. If what the sentence says is true, fill in the oval beside "True." If what the sentence says is not true, fill in the oval beside "False." If you can't decide if the sentence is true or false, fill in the oval beside "I don't know."



- A. By car Northtown is closer to Rice Lake than to Hope.
  - C) True
  - False
  - O I don't know.

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\$ 0P	G700P						PERCEN	TAGE OF	SUCCESS				
<u>Succes</u>	eceect	VARIABLE GROUP	0	10	20	30	40	50	60	70	80	90	100
78.5		WATIOVAL	***	•••••	•••••	*****		•	•••••	*****	••••	•	i
		FEGION									-		
73.3	-5.1*	Southeast	***	• • • • • •	••••••	*******	•••••	••••••	• • • • • • • • • •	•••••	1		- 1
77.7	-0.8	Vest		••••••	••••••	•••••		*******	••••••	•••••	•••!		- 1
79.2	0.7	Central	•••	••••••		••••••		••••••	• • • • • • • • •	•••••	****		- 1
81.9	3.4	Wortheast	•••	•••••	••••••	•••••		•••••	••••••	••••••	1		-
		SEX									-		1
76.1	-2.40	Male		••••••	••••••	•••••	••••••	••••••	••••••	••••••	•• 1		- 1
80.9	2.4*	Pemale	•••	*******		******	•••••	••••••	••••••	••••••	1		-
		50103									-		-
69.7	-17.80	Black		• • • • • • •	••••••	••••••	•••••	••••••	•••••		- 1		•
51.4	2.9=	White	•••	••••	••••••	••••••	••••••	••••••	••••••	•••••	1		
		PARSHTAL PDUCATION No migh school									-		-
64.3	-14.50	No Migh School	•••	•••••	••••••	••••••	••••••	••••••	••••••	•	- 1		!
75.1	-3.3	Some High School		• • • • • • • •	••••••	••••••	•••••	••••••	••••••	••••••	• 1		ı
81.9	3.5	Graduated High Sch.	•••	•••••	••••••	••••••	••••••	••••••	••••••		****		!
95.6	7.1•	Post High School	•••	••••••	••••••	••••••	••••••	••••	•••••	••••••	1	•	¦
		SIZE-AND-TIPE OF_CONHUNITY									-		-
63.6	-14.9*	Extreme Inner City	***	• • • • • • • • •	••••••	••••••	•••••	•••••	••••••	•	1		- 1
69.0	-9.4=	Extreme Rural		•••••	••••••	•••••	•••••	••••••	••••••	••••	1		- 1
78.6	0.1	Small City	•••	•=•••••	•••••	••••••	• • • • • • •	••••••	••••••	••••••	****		1
76.5	-1.0	Medium City	•••	• • • • • • •	••••••	••••••	••••••	••••••	• • • • • • • • • •	••••••	•• 1		- 1
87.5	4.0	Rest Of Big City	•••	••••••	••••••	•••••	•••••	******	•••••	••••••	****		1
80.0	1.5	Suburban Pringe	•••	• • • • • • • •		••••••	••••••	*******	••••••	••••••	****		1
88.8	10.3	Extreme Aff Suburb	•••	••••••	• • • • • • • • •	••••••	•••••	••••••	••••••	••••••		••••	ı

B. You can drive all the way from Northtown to Falls City on Highway 71.

True

O False

O I don't know.

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₹ 0*	GROUP						PERCEN	TAGE OF	SUCCESS				
<u> </u>	effect	VARIABLEGROUP	0	10	20	30	40	50	60	70	80	90	100
91.7		NATIONAL	····	••••	•••••	•••••	•••••	•••••	•••••	*	•••••	•	i
		REGION									i		Ì
74.0	-7.14	Southeast	****		••••••	••••••	•••••	*******	•••••	••••••	• 1		
81.3	-0.1	West	••••								•••••		!
95.3	4.9*	Central	••••								******	•••	!
9?.0	0.1	Wortheast	••••										-
	0.3	521											
82.2 91.6	-0.3	Male Pemale	****										!
71.0	-0.3	remate	••••					•••••					į
	24.44	C0108									į		į
50.8 85.1	-21.1ª 3.1ª	Black White											!
77,1	3.1-	watte	••••					••••			!	•	
65.6	-16.3*	PARENTAL EDUCATION No High School									į		į
79.3	-2.6	Some High School	••••				•••••	••••••			!		-
92.2	0.3	Graduated High Sch.	••••			******	••••••	•••••		*******	******		i
91.3	9.40	Post High School	•••	••••••	••••••	•••••	••••••	••••••	••••••	••••••	••••••	•••••	į
		SIZE-AND-TIPS OF COMMUNITY									į		į
59.5	-22.4*	Extreme Inner City	••••	•••••	••••••	••••••	••••••	••••••	•••••		i		i
79.7	-2.2	Extreme Rural	••••	*****	••••••	******	••••••	••••••	••••••	•••••	••••• j		i
81.9	-0.0	Small City	••••		•••••	••••••	••••••	••••••	******		•••••		ĺ
89.3	-1.6	Medium City	••••	•••••	••••••	••••••	••••••	•••••	•••••	••••••	•••••		- 1
B3.3	1.4	Reat Of Big City	••••	•••••	••••••	••••••		••••••	••••••	•••••	******		!
85.4	4.54	Suburban Pringe	****	~~~~~									. !
90.2	8.30	Extreme Aff Suburb											ı

C. Hope is the town closest to Centerville.

True

O False

O I don't know.

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รกะ	63 OU P		PERCENTAGE OF SUCCESS											
\$ <u>0</u> 66588	PPRECI	YARIABLEGROUP	0	10	20	30	40	50	60	70	80	90	190	
85.4		WATIONAL	····	*****		•••••	•••••	*****	•••••	*****	******	1	!	
		REGION										1	- 1	
74.2	-6.2*	Southeast	****	******	• • • • • • • • • •	******	• • • • • • • • •	*******	• • • • • • • • •	********	****	Į.	!	
85.5	0.1	West	****	*****	• • • • • • • • • •	******	• • • • • • • • •	*******	******	********			. !	
89.4	3.0*	Central	****	*****	• • • • • • • • • •	******	• • • • • • • • •	******	*****	*******	******		!	
86.7	1.2	Northeast	****	*****	•••••	******	••••••	******	•••••	•••••	******		- !	
		SEX									<b>.</b>	!	. !	
82.9	-2.5*	Male	****	*****	•••••	******						.1	!	
87.9	2.5*	Pemale	****	******	******	******	•••••	******	• • • • • • • •	•••••	******		- !	
		COLOR										!	į	
67.6	-17.8	Black	****	*****	******	******	• • • • • • • • •	******				.1	. !	
95.0	2.6*	White	****	******	•••••	******	•••••	•••••	•••••	•••••	*****	!	į	
		PARENTAL EDUCATION										!		
77.5	-7.9*	No High School	****	******	*******	*******						!	1	
74.9	-8.5*	Some High School	****	*****	*******	******	*******	******				.!.	. !	
95.9	0.5	Graduated High Sch.	****	******	*******	******	•••••						. !	
93.2	7.8*	Post High School	****	******	*******	******	•••••		••••	•••••		1		
		SIZZ-AND-TYPE QF_CQUUNITY										}	1	
68.5	-16.9*	Extreme Inner City	****	******	******	******	*******		******	****		1		
63.9	-1.5	Extreme Rural	****	*****	*******	******	• • • • • • • • •	******	*******	• • • • • • • • • •	******	* [		
83.8	-1.6	Small City	****	******	******	******	• • • • • • • • •	• • • • • • • •	******	••••••	******	• [	1	
83.7	0.2	Hedium City	****	******	******	******	******	• • • • • • • •	*******	*******	******	• • •	. !	
88.6	3. i	Rest of Fig City	****	******	•••••	*******	• • • • • • • • •	• • • • • • • •	******	••••••	*****			
66.6	1.2	Suburban Fringe	****	******	*******	******	******	• • • • • • • •	******	*******	******	· · · · · · · · · · · · · · · · · · ·	!	
92.4	7.0	Extreme Aff Suburb	****	******	*******	*****	******	******			******		1	

D. Centerville is farther west than Hope.

O True

False

O I don't know.

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SUCCESS	GPOUP REFECT	YARIABLE GROUP	0	10	20	30	PERCEN	TAGE OF	SUCCESS 60	70	80	90	100
			•	**	*	*	*	*	•	*	+	*	+
71.9		WATIOVAL	****	*****	*****	••••••	******	******	••••••	•••••			!
		REGION								. !			1
55.3	-6.5=	Southeast								. i			- 1
57.1	-8.70	West											:
76.2	4.4"	Central				******							:
75.1	3.3*	Wortheast				*******	******						:
.,,,,	3. 3	POLCHEESE								1	-		i
		SEX								- 1			- 1
70.6	-1.2	Male	****	******			*******	******		•••••			
73.1	1.2	<b>Pemale</b>	****	******	*****					*****			i
										į			į
		COLOR								- !			- 1
56.7	-15, 10	Black								- :			- 1
74.2	2.40	White	****					******	*******				
	•••	******								1			i
		PARSTAL BOUCATION								!			!
59.4	-13.80	No High School								- 1			- 1
67.1	-4.7	Some High School		*****						:			- :
70.9	-1.0	Graduated High Sch.											:
81.1	9.3*	Post Migh School											
3	,,,	1000 12911 0011501											i
		alabianditurb								į			į
52.4	-19.34	OF COMMUNITY Extreme Inner City								!			!
72.3	-0.8	SETTEME INNER CITY SETTEME SURAL								!			!
77.7	-0.8	Small City											!
69.1	-2.7	Telium City											. !
75.5	3.8												. !
74.7	2.9	Rest 1" Big City Suburban Fringe									•		
P3.7	8.90	Surviban Fringe Satreme Aff Suburb											!
F1.7	0.9•	SECTION ALL SUDDED	++-+										ı



E. Highway 20 runs on the south side of Rice River.

O True

False

O I don't know.

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₹ oF	GROUP						PERCEN	TAGE OF	SUCCESS				
50CCESS	refect	YARIABLE GROUP	0	10	20	30	40	50	60	70	80	90	100
52.3		NATIONAL	****	•••••	•••••	• • • • • •	•••••	•••••	•	•	•	•	i
		REGION						!					!
48.3 45.4	-4.0 -6.9•	Southeast West						: :					- :
55.8	3.5	Centrel			••••••	•••••		••••••	•••				i
56.2	3.90	Mortheast	••••			•••••		******	•••				i
								į					- 1
		SEX						1					į.
53.1	0.8	Male	••••	••••••	•••••	•••••	••••••	******					!
51.5	-0.8	Female	••••	••••••	••••••								- :
								i					i
		COLOR						į					!
38.9	-13.40	Black	*****		••••••								!
54.5	2.20	White	••••		••••••		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	~				i
								i					i
		PARSHTAL SPUCATION						!					!
49.3 55.1	-3.0 5.8	Wo High School Some High School	****										. !
52.7	0.3	Graduated High Sch.	****		••••••		••••••	•••••					
59.7	7.40	Post High School	••••	••••••	+======	•••••		******	•••••				i
	. •	•						i					1
		<u> Size-And-Tire</u>						!					- !
42.5	-9.8"	OF COMBUNITY Extreme Inner City	••••		•••••			- 1					i
49.3	-3.0	Satreme Rural	••••	••••••		******	••••••	••••					i
55.2	2.9	Small City	****	•••••	••••••	••••••	••••••	*****	•				i
52.1	-0.2	Redium City	••••	• • • • • • •	••••	••••••	••••••	•••••					1
45.4	-3.9	Rest of Big City	••••		••••••	•••••	•••••••	••••					!
47.7	-4.6	Suburben Pringe	*****					•••					!
61.0	8.7*	Extreme Aff Suburb	-300										•

Exercise R214, Subtheme C

The five parts of this question all asked children to answer questions using the map provided. The map reading skills involved included: translating distances on a map into distances between places, determining whether particular routes existed, reading relative distances and determing relative positions.

#### CHAPTER 4

## RESULTS FOR 13-YEAR-OLDS

The results described in this chapter are based on responses from teenagers born during 1957. About three fourths of them were in the eighth grade and most of the others were in seventh.

The median performance on Theme 2 exercises for 13-year-olds was 78.9%; almost four out of five 13-year-olds chose the acceptable answer to exercises involving graphic materials. There was some variation in median performance, though, for each subtheme. Those results are shown in Exhibit 4-1.

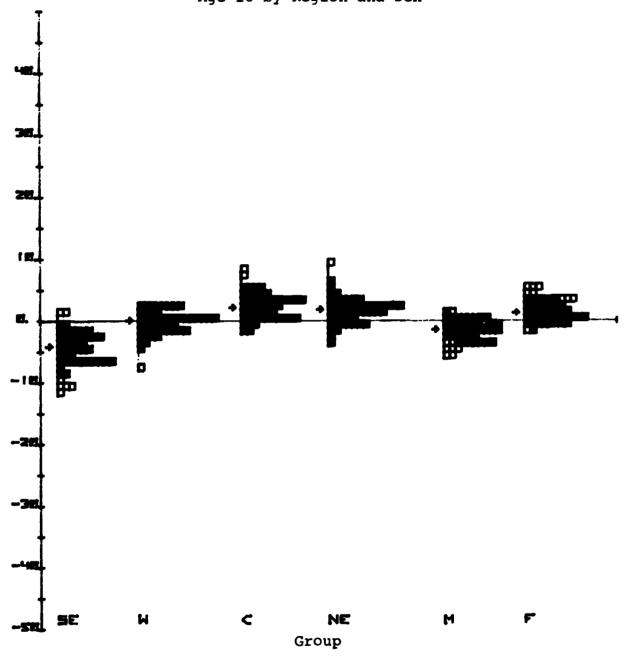
EXHIBIT 4-1. Performance on the Subthemes

	Subtheme	Median Percentage of Success	Number of Effects
A.	Interpreting drawings and pictures	93.7%	4
В.	Reading signs and labels	83.2	12
c.	Reading charts, maps and graphs	73.5	14
D.	Reading forms	74.9	20
_	TOTAL	78.9%	50

Median effects also varied for 13-year-olds from different parts of the country: teenagers from the Central region showed a positive characteristic, those from the Northeast displayed a positive tendency, 13-year-olds from the West performed at the same level as the nation as a whole and those from the Southeast had a negative characteristic.

Teenagers from the Southeast performed better than usual on parts of two exercises (U221, part 2, and R236, part 1, both

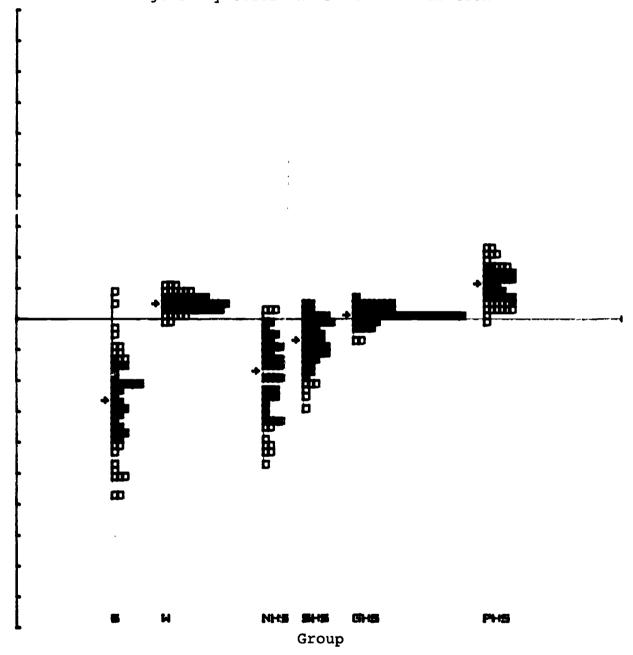
Distribution of Effects on 50 Exercises for Age 13 by Region and Sex\*



\*Arrows indicate group medians, blackened boxes indicate typical exercises, open boxes indicate atypical exercises. Abbreviations: SE, Southeast; W, West; C, Central; NE, Northeast; M, male; F, female.

EXHIBIT 4-2a

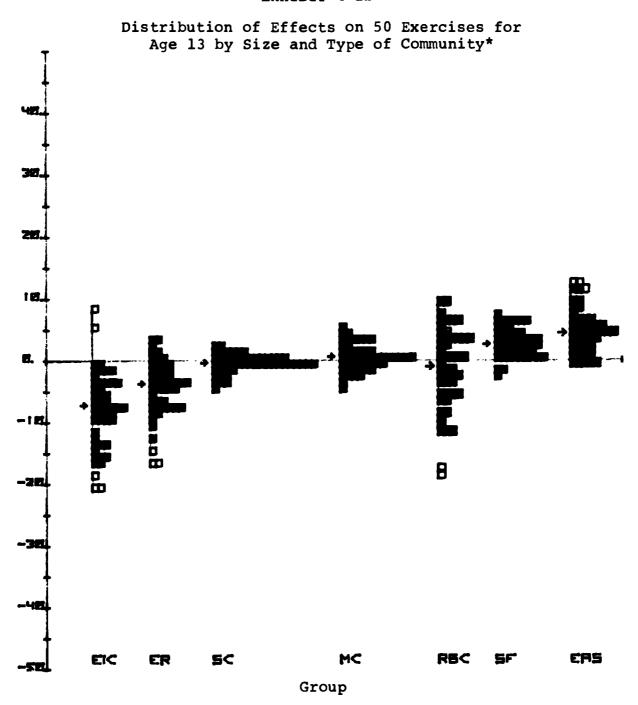
Distribution of Effects on 50 Exercises for Age 13 by Color and Parental Education\*



\*Arrows indicate group medianc, blackened boxes indicate typical exercises, open boxes indicate atypical exercises. Abbreviations: B, Black; W, White; NHS, no high school; SHS, some high school; GHS, graduated from high school: PHS, post high school.



EXHIBIT 4-2b



\*Arrows indicate group medians, blackened boxes indicate typical exercises, open boxes indicate atypical exercises. Abbreviations: EIC, extreme inner city; ER, extreme rural; SC, small city; MC, medium city; RBC, rest of big city; SF, suburban fringe; and EAS, extreme affluent suburb.

from Subtheme D) and unusually poorly on five others (R227 and U225, part 3, both in Subtheme D; U219 and U235, part 2, in Subtheme C; and U217, part 4, in Subtheme B). Those from the West had only one exceptional exercise, U226, where they performed unusually poorly. The only exceptional exercises for the Central and Northeastern regions involved performances that were unusually good for those groups: teenagers from the Central region performed unusually well on Exercises U225 (Subtheme D) and U217, part 4 (Subtheme B); while Northeastern teenagers performed unusually well on Subtheme D Exercise R230.

Teenage boys and teenage girls performed about equally well. There were, however, some exceptional exercises. Boys had more success than usual on Exercise U223 (Subtheme C) and less on exercises: U217, part 2 (Subtheme B); U216, parts 2 and 3 (Subtheme C); and U221, part 2; U222; R230; and U218, part 1 (Subtheme D). Girls performed unusually poorly on only one exercise, U223 (Subtheme C), while they performed unusually well on eight others: U217, parts 2 and 3 (both Subtheme B); U216, part 2 (Subtheme C); U218, part 1; U221, part 2; U222; and U234, parts 1 and 3 (Subtheme D).

Black 13-year-olds showed a negative characteristic while White teenagers showed a positive one. There were many exceptional exercises for these two groups, and those exercises have been displayed in Exhibit 4-3.

Like 9-year-olds, successful performances for 13-year-olds were more frequent for those whose parents had the most formal education, less frequent for those whose parents had less. Thirteen-year-olds whose parents had no high school showed a negative characteristic while a negative tendency was shown by those whose parents had only some high school. Teenagers whose parents graduated from high school showed a positive tendency while those whose parents had post high school educations showed a positive characteristic. The exceptional exercises for the four parental education groups are shown in Exhibit 4-4.

Thirteen-year-olds from small cities, medium cities and the rest of big city groups all performed at levels close to that of the nation as a whole. Extreme inner city and extreme rural teenagers were below nat level (they showed a negative characteristic and negative tendency, respectively) while those from the suburban fringe and extreme affluent suburbs were above it (displaying a positive tendency and positive characteristic, respectively). There were relatively few exceptional exercises within this reporting category. Indeed, there were none at all for the small city, medium city and suburban fringe groups. Teenagers from the extreme inner city performed better than usual on part 1 of Exercise R236 (Subtheme D) and U216 (Subtheme C)

EXHIBIT 4-3. Exceptional Exertises for Black and White 13-Year-Olds

Exercise	Subtheme	Performance on the Black	Identified Exercise White
U203 U213	A A	Better than usual Better than usual	Worse than usual
U202	В	Better than usual	
R206	В	Better than usual	Worse than usual
R208	В	Better than usual	
U217, part 1	В	Better than usual	
U217, part 4	В	Worse than usual	
U232, part 1	В	Worse than usual	
U232, part 2	В	Worse than usual	Better than usual
R214, part 5	С		Better than usual
U216, part 1		Worse than usual	Better than usual
R219	c c c	Worse than usual	Better than usual
U229		Better than usual	Worse than usual
U235, part 1	С	Worse than usual	Better than usual
U235, part 2	С	Worse than usual	Better than usual
U221, part 3	D	Worse than usual	
U225, part 1	D	Better than usual	
U225, part 2	D	Better than usual	Worse than usual
R227	D	Worse than usual	Better than usual
R228	D	Worse than usual	
R231, part 1	D	Worse than usual	
U234, part 1	D		Better than usual
R236, part 1	D	Better than usual	Worse than usual

and less well than usual on R227; R231, part 1; and U217, part 4. The latter three exercises were all from Subtheme D. Thirteen-year-olds from extreme rural areas performed unusually poorly on Exercises R205 (Subtheme B); U217, part 4 (Subtheme D); and U235, part 2 (Subtheme C). Thirteen-year-olds from the rest of big city performed poorly on parts 1 and 3 of Exercise U225 (Subtheme D). Extreme affluent suburb teenagers, on the other hand, performed unusually well on Exercises U221, part 3, and R227 (both from Subtheme D) and U235, part 2 (from Subtheme C).

The remainder of this chapter is devoted to the exercises administered to 13-year-olds. Each exercise is numbered with a letter and a numeral. The letter (either R or U) indicates whether the text of the exercise has been released or is unreleased. The unreleased exercises are being retained for the next Reading assessment, in 1975-76. These exercises will be used again, and comparisons can be made between the 1969-70 results and the results collected during 1975-76.

ERIC

EXHIBIT 4-4. Exceptional Exercises for the Different Parental Education Groups

				Performance on	Performance on the Identified Exercise	
Exercise	Se	Subtheme	NHS	SHS	GHS	PHS
11203		<				
0100		; «				
11213		: «				than
11202		; m				than
11204		m				than
R206		ı M	Better than usual			than
0208		m				than
0217,	part 1	æ		,		Worse than usual
0217,	part 2	М		Worse than usual		
	part 3	m	Worse than usual			
	part 4	Д	Worse than usual	Worse than usual		than
0232,	part 2		Worse than usual			Better than usual
R214,	part 2			Worse than usual		
R214,	•					Worse than usual
R214,	part 5	U 		Worse than usual		
0219	•	υ			•	Better than usual
R220		υ			Worse than usual	
<b>U224</b>		U				
U229		U				Worse than usual
U235,	part 1	ບ	se than			
U235,	part 2	Ü	Worse than usual			
U221,	part 1	Δ		•		
R227		Ω	Worse than usual			
0221,	part 3	۵		Worse than usual		_
U225,	part 2	Δ.		•		Worse than usual
R228	)	Δ		Worse than usual	•	
R230		Δ	se		Worse than usual	Better than usual
R231,	part 1	Δ.	se t			Moreon than name
R236,	Part 1	Δ	Better than usual			MOLSE CHAIR USUAL

EXHIBIT 4-5. Median Performances on the Subthemes

Group	Sub- theme A				All Sub- themes
Region					
Southeast	-1.7	-5.4	-4.9	-4.5	-4.2
West			.8		
Central			2.2		
Northeast	1.4		2.4		
Sex					
Male	-1.1	9	7	-2.2	-1.4
Female	1.1		.7		
,					
Race					
Black			-16.2		
White	1.3	2.2	2.9	2.7	2.5
Parental Education					
No High School	-2.9	-10.3	-11.0	<b>-</b> 7.1	-8.4
Some High School			-3.9		
High School Graduate			. 9		
Post High School	2.0	4.6	6.7	6.2	5.7
Size and Type of Community					
Extreme Inner City	-5.9	-6.8	-8.0	-7.9	-7.2
Extreme Rural	2	-4.5	-6.6	-2.9	-3.7
Small City	. 5	7	.6	<b></b> 5	4
Medium City	. 5	.7	<b></b> 3	.9	
Rest of Big City		<b></b> 3	.7	7	-1.0
Suburban Fringe	.6	3.3		3.0	
Extreme Affluent Suburb	1.9	5.0	5.1	3.8	4.4
Number of Effects	4	12	14	20	50

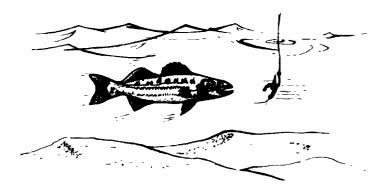
The text for released exercises is presented exactly as the exercises were administered during the assessment. The acceptable answer is indicated (by a blackened oval) as is a brief discussion of the exercise itself and how the respondent may have arrived at the acceptable answer.1

<sup>&</sup>lt;sup>1</sup>Though the correct or best answer may have been reached by guessing, guessing is not considered here as a method for reaching the correct answer; the mention of guessing now is sufficient for all the exercises.

Along with the exercise and/or its description, the percentage of success and the effects are presented for all the groups. A histogram is given with the percentage of success for each group represented by a bar. The leftmost vertical line (which cuts across the bar for each group) represents the national percentage of success, and the distance from the end of a group's bar to that line represents the group's effect—the difference between the performance for a group and the performance of the nation as a whole.

Starred effects (marked with an asterisk) indicate effects that differ reliably from zero.

Exercise R203, Subtheme A



Look at the picture and fill in the oval beside the sentence which tells BEST what the drawing shows.

- The fish has already eater the worr.
- The worm is probably not or a hook and line.
- The fish looks as if he is going to eat the worm.
- The fish is waiting for the worm to be put in the water.
- O I don't know,

m13 05 3/1 03#/203614 9000#0¥0

9 13

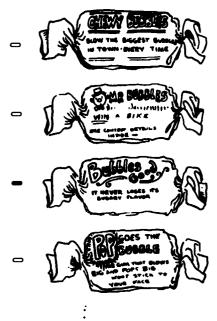
			•	
<b>ጜ</b> ንድ	GIOTE		. PFPCENTAGE OF SUCCESS	
2461255	e <i>pre</i> ci	YAR' ABLY GEOUP	•	
			0 10 20 30 40 50 60 70 80	90 100
95.1		NATIONAL		
		REGION		i i
98.1	-1.7	onutheast	***************************************	
94.5	-1.5	West	***************************************	
37.3	1.3	Central	***************************************	
97.3	1.8*	*ortheast	***************************************	••••••••••••••••••••••••••••••••••••••
				1 1
		SPX		i i
95.4	-1.0-	Male		
95.3	0.9*	Pemale	***************************************	
		C0103		i i
91.7	-4.3*	CCLOB Black	*****	
95.4	0.9	White	***************************************	
	•••	****		
		PARENTAL EDUCATION		!!
91.5	-2.6	No High School	**************************************	
09.7	2.0	Some High School	***************************************	*********
96.3	0.3	Graduated High Sch.	***********************************	
97.3	1.9=	Post High School	***************************************	······································
		SIZE-ANO-TYPE OF CONNUNITY		
92.9	-3.1	Extreme Inner City	************	
92.6	-3.4*	*xtreme Rural	***************************************	
96.)	0.0	Small City	***************************************	
96.1	0.1	Medium City	***************************************	
93,9	-2.2	Rest Of Big City	***************************************	; ;
99.)	1.9*	Suburban Pringe	***************************************	· · · · · · · · · · · · · · · · · · ·
97.1	1.1	Extreme Aff Suburb	***************************************	*********

Exercise R203, Subtheme A

In order to respond correctly, a child could either intuit the feelings of the fish or eliminate the three incorrect responses leaving only the third alternative.

#### Exercise R204, Subtheme B

"f you wanted to buy some bubble gun that would stay sweet for a long time, which of these would you buy? Fill in the oval beside the bubble gum you would buy.



□ I don't know

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9 13

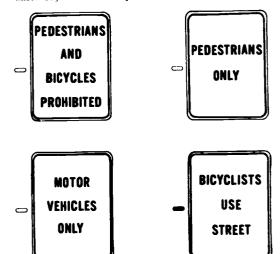
<b>5</b> 07	GROUP						PERCEN	TAGE OF	SUCCESS				
SUCCESS	E . LECI	YARIABLE GROUP	0	10	20	30	40	50	60	70 +	80	90 +	100
95.3		WATIOWAL	****	••••	****	•••••	•••••		******	******	*******		
91.7 97.1 95.7 93.3	-1.3 2.2° 0.7 -1.7	REGION Southeast West Central Vortheast	****	: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	:				14044400 14000000 14000000	)	0000000   0000000   0000000	, eessass	
98.9 96.0	-1.0 1.0	SPI Fale *emile	****			******	••••••		*******	••••••	******	********	•
84.5 95.7	-10.4* 1.8*	COLOR Black White	***				, e e e e e e e		••••••	******	*******	• • • • • • • • •	
91.5 92.3 95.3 97.1	-3.5 -2.7 0.3 2.1*	PARENTAL POUCATION TO High School Some Migh School Grainated High Sch. Post High School	****				**********		******* ******** *******		 	 	••••
94.7 94.7 94.3 96.1 91.0 96.6 95.5	-0.3 -0.2 -0.7 1.1 -3.9 1.6 0.5	SIZE_END_TITE OF_COMBUSITY Extreme Inner City Extreme Rural Small City Wedium City Nest of Big City Suburban Fringe Extreme Aff Seburb	000 000 000 000 000	0 // 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								**************************************	

Exercise R204, Subtheme B

In order to see that the third gum wrapper enclosed a piece of bubble gum that would "stay sweet for a long time," the child would have to understand that the preceding expression and "it never loses its sugary flavor" were synonymous.

Exercise R205, Subtheme B

Which sign shows where you should ride your bicycle?



l don't know

#12 01 1/1 04=4205011 P1000 1V0

13 17

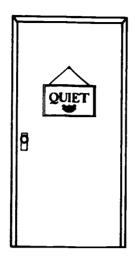
¶ ∩≠	3000						PERCEN	TAGE OF	SUCCESS				
STECESS	SPEECE	YARIABLE GROUP	0	10	20	30	40	50	60	7^	1	90	100
			•	•	• • • • • • • • • • • • • • • • • • • •							••••	•
99.3		TAPOITAR	••••				•		*******				i
		22224										1	1
92.7	-4.6*	PEGIOT Southeast		******	*****					*****		• i	i
90.1	0.8	West			******		*******	• • • • • • • •		*******	******	****	1
89.1	-0.3	Central	****	******	*******	******		*****				****	. !
93.4	4.O=	Fortheast	****	******	******	******	******	******		******	******		• !
												- 1	1
		SEX										ì	i
99.5	2.1	Male			******					******	******	****	1
99. >	-0.1	Pemale			******	• • • • • • • •	******	* ** * ** **	••••••	••••	******	****	!
												!	
		GOT OR										i	i
77.7	-11.7*	COLOR Black		*******			*******			*******		i	i
91.5	2.10	White						*****				*****	
*1,	2	****										. !	1
												!	1
		PARTMIAL EDUCATION								******		1	- 1
77.5	-11.7* -2.4	To High School Some High School		*****		*******				*****		***	i
96.0 93.1	0.7	Graduated High Sch.					*****			******		***	i
94.2	4.8*	Post High School		******		******	******	******		*****	• • • • • • •	******	• [
		•										!	!
		SY 4E-AND-TYPE										ļ	:
		OF COMMUNITY Extreme Inner City						******	*******	****		. ;	i
94.1 73.3	-5.3 -16.0°	Extreme Innet City						******	*******	*******		i	i
99.7	0.4	Small City	****	******				*****	******			****	i
A7.7	-1,6	Medium City		******		******	******	*****	******	*****	• • • • • • • •	***	•
92.3	3.5	Rest Of Big City				*******	*******		******	*******	*******	******	! !
94.1	4.7~	Suburban Fringe	****	*******	• • • • • • • • •	*******	*******	******		********		******	!
98.2	H. 9*	Extreme Aff Suburb	**-	*******	********	*****							



Exercise R205, Subtheme B

In order to respond correctly to this exercise, a child would have had to know the meanings of <u>pedestrians</u>, <u>motor vehicles</u> and <u>prohibited</u>, and he would have to know that a <u>bicyclist</u> is one who rides a bicycle.

Exercise R206, Subtheme B



Look at the Picture and fill in the oval beside the sentence which tells BEST what the drawing shows.

- A sign is hanging by the door.
- ▲ A sign is hanging on the door.
- A sign is har jing over the door.
- A sign is hanging near the door.
- O I don't know.

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9 13

\$ 0P	GROUP		PERCENTAGE OF SUCCESS										
SUCCESS	effect	VARIABLE GROUP	0	10	20	30	40	50	60	70	80	90	109
97.9		WATIONAL	····	••••••	•••••	•••••	• • • • • • • • • • • • • • • • • • • •		····	•••••	*****	•••••	•••• i
		REGION											- 1 1
97.2	-0.7	Southeast	****		******								4 1
95.4	0.5	West	****		• • • • • • • • •	••••••	******	*******	*******	********	******	******	
98.3	0.4	Central		******	********	• • • • • • •	****	*******	*******	*******	*****		
97.6	-0.3	Northeast	****	*****		••••••	*******	*******	******	*******	******		
		SEI											- 11
97.0	-0.9=	Male	***	******		• • • • • • •	******	*******	******		*******		
98.9	1.0=	<b>Temale</b>	••••	******	********	******	*******	*******		*******	******		
		COLOR											11
96.6	-1.3	Black	* * * *	******	******	•••••	*******	*******		********	*****	*******	
98.1	0.2	White	****	*****	******	• • • • • • •	*****	••••••		••••••	*******		
		PARENTAL EDUCATION											- 11
99.9	1.0	No High School	****	*****	*******	******	****	*******		• • • • • • • • •	******	******	
97.5	-0.4	Some High School	****	******	********	******	******	******	• • • • • • •	• • • • • • • • •	******		****
98.9	1.0*	Graduated Migh Sch.	****	******	*******								
97.9	-0.0	Post High School	••••	******	********	*****	*******	•••••	*******	•••••			· · · · ·
		SIZE-AND-TYPE OF COMMUNITY .											-
97.5	-0.4	Extreme Inner City	****										**** 1
97.9	0.0	Extreme Sural	***		*******								****
97.5	-0.4	Small City	****	*****	******	******	*******	******	*******	• • • • • • • • •	*****		***
97.5	-0.4	Medium City	****	******	•••••	******	• • • • • • • • •	******	******	*******	******		****
103. 9	2.1*	Rest Of Big City	****	******	*****	******		******					
98.6	0.6	Suburban Fringe	****		********								
97.8	-0.1	Extreme Aff Suburb	****		*******								7 1

## Exercise R206, Subtheme B

This exercise required two things of the children who took it. First, it required that they be able to determine where the sign was hanging relative to the door, and second, they had to translate their perceptions into the proper preposition, in this case, on.



Exercise R208, Subtheme B

Some road signs tell people who are driving cars what to do. Other signs tell people who are walking what to do.

If you are walking, which sign tells you what to do? Fill in the oval beside the correct sign.



☐ i don't know

T08 05 3/1 03+X209011 910000V0

9 13

• 0F	SROUP.		PERCENTAGE OF SUCCESS
<u>Success</u>	effect	YARIABLEGPOUP	0 10 20 7: 40 50 60 70 80 90 100
96.9		'AFCITAF	
95.2 96.2 97.1 98.5	-1.7 -0.7 0.8 1.6*	PPGION Southeast West Central Wortheast	
96.4 97.5	-0.5 0.6	SEX Male Female	
91.0 97.7	-5.9* 0.8*	<u>COLOR</u> Black White	
94.7 97.0 97.9 98.5	-2.9 0.0 0.9= 1.6=	PARENTAL ZDUCATION NO High School Some High School Graduat: 4 High School Post High School	
91.5 95.9 95.7 96.6 96.7 99.4	-5.3° -1.0 -0.7 -0.3 -1.2 2.5°	SIZ*-AED-TIPE QP_COSMUSITI Extreme Inner City Txcreme Rural Small City Modium City Rest of Big City Suburban Fringe Extreme Aff Suburb	

## Exercise R208, Subtheme B

This exercise required children to be able to determine that only the upper right hand sign pertained to a person who was walking. There were two ways a child could choose the correct sign: he could know the meaning of the word pedestrians (since only one sign referred to walkers), or he could eliminate the other three signs by figuring out that they all pertained to cars.



### Exercise R209, Subtheme B

Look at the labels from two cans of dog food. One can has more protein in it than the other. Fill in the oval below the dog food that contains more protein.

Ash	31
Crude fiber	178
Crude protein	651
Crude fat	114
Moisture	43
Vitamin E	trace
PREMIUM DOG A Beef Prod	

Ash	21
Crude fiber	45%
Crude protein	20%
Crude fat	30%
Moisture	31
Vitamın E	trace
HEARTY DOG F	
0	

O I don't know.

T12 05 3/1 01\*x209013 400300¥0

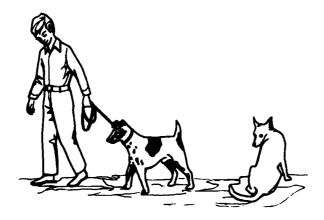
9 13

S OF	GROUP		PERCENTAGE OF SUCCESS
SUCCESS	effect	YARIABLEGROUP	0 10 20 30 40 50 60 70 80 90 100
90.5		NATIOVAL	
72.5 82.3 41.3 84.6	-7.9* 1.8 1.3 4.2*	RPGIQY Southeist West Central Wortheast	
80.2 89.7	-0.2 0.2	<u>SEX</u> Hale Frmale	
65.4 82.7	-14.0° 2.3°	COLOR Black White	•••••••••
63.9 75.1 80.8 85.0	-11.6* -5.2 0.3 4.6*	PARENTA! PD/CATION No High School Some High School Graduate! High School Post High School	
73.4 70.3 79.2 81.5 86.7 81.7	-7.1 -10.1* -1.3 1.4 6.2 0.7	SIZE-AND-TYPE OF COMBUNITI Extreme Enner City Extreme Rural Small City Medium City Gest of Big City Suburban Fringe Extreme Aff Suburb	

Exercise R209, Subtheme B

In order to respond correctly to this exercise, a child had to know that 65 was greater than 20, and he had to assume that the HEARTY can was not more than  $3\ 1/4\ times$  larger than the PREMIUM can.

Exercise R210, Subtheme A



Look at the picture and fill in the oval beaide the santence which tells BEST what the drawing shows.

- The boy has two dogs on a leash.
- O The boy is walking behind his dog.
- The dog on the leach has apots on it.
- The dog sitting down has spots on it.
- O I don't know.

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5 OP	GROUP						PERCES	TAGE OF	SOCCESS					
<u> 50cc 255</u>	EFFECT	YARIABLE GEQQE	0	10	20	30	40	50	60	70	80	90	100	,
			·	•	•	•	•	•			•	•		١
34.5		MATIONAL	****	•••••	******	******	•••••	•••••	•••••		*****		7	
		REGION											1 1	
92.5	-1.7	Southeast	****		*******	******	*******	******	*****	*****	****	******	1 1	į
95.2	0.6	Vest	****		*******	******	*******		********		*******	******	•	ı
95.9	1.3	Central	****						********				•	į
94.2	-0.3	Bortheast	••••	•••••	••••••	******		•••••	•••••	******	********	******	•	
		SEK												•
93.3	-1.2*	Rale	****	••••••	*******	******		******		******	*****	******	• 1 1	ı
95.8	1.30	Pemala	••••	••••••	*******	******	••••••	******	••••••	••••••	*****	*****	•••	1
		COLOR												
46.6	-7.90	Black		• • • • • • •	********	******	********	******	*******	******	****	••	1 1	ı
96.1	1.5*	White	****	•••••	••••••	******	••••••	•••••	*******	******	*******	******	•••	
		PARRETAL SOUCATION												
91.4	- 3. 2	Wo High School	****		•••••	******	••••••	******	*******	*****	*****	*****	1 1	ı
94.6	0.1	Some High School	****		*******	******	*******	******	••••••	******	*******	******	• •	١
95.0	C.*	Gradaated High Sch.	****	****	*******	******	,,,,,,,,,,		*******	*****	*****	*****	• •	ı
96.7	2.20	Post High School	••••	• ••••	******	*****	******	******	********	******	*****		1	;
		SIZS-AND-TYPE OF COMMUNITY												
85.9	-8.7*	Extreme Inner City	****	*****	********	******	*******		*******	*****	les e <b>u e</b> e e e	••	1	ı
92.3	-2.2	Extreme Reral	****	******	*******	******	*******	******	*******	*****	****	******	1	١
95.1	0.6	Small City	****	*****	******	*****		*****	*******	****	***	******	••	ı
45.5	0.9	Medium City		******		******	•••••••	*****	*******	******			• •	ı
92.2	-2.3	Reat Of Big City				******		******	*******	*****	*******	******	. 1	ı
95. 3	0.7	Seburban Pringe	****	• • • • • •	*******	******	• • • • • • • • • •	*****	*****	******	****	******	••	١
97.0	2.4*	Extreme Aff Saburb	••••	••••••	••••••	*****	••••••	••••••	••*••				7	ı

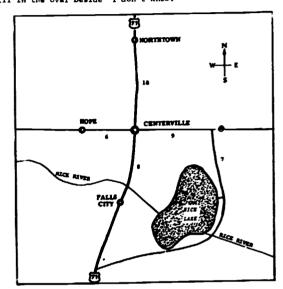


# Exercise R210, Subtheme A

This exercise required 13-year-olds to evaluate four different descriptions of a picture and decide which description was most accurate. The instructions to the child imply that there is no correct response, but only a best one. This may mean that even though half of the sitting dog is hidden, and the hidden part may be laden with spots, the third alternative is preferred because it is more readily verifiable.

Exercise R214, Subtheme C

Look at the road map and read each sentence carefully. If what the sentence says is true, fill in the oval beside "True." If what the sentence says is not true, fill in the oval beside "False." If you can't decide if the sentence is true or false, fill in the oval beside "I don't know."



- A. By car Northtown is closer to Rice Lake than to Hope.
  - O True
  - False
  - O I don't know.

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\$ or	GPOUP						PERCEN	ITAGE OF	SUCCESS				
SUCCESS	ECTECT	YARIADIE. GROUP	0	10	20	30	•0	50	60	70	60	90	107
85.1		WATIOWAL	••••	•••••	•••••		•••••	******	•••••	•••••	•••••	1	!
79.1 97.1 67.4 87.4	-6.9° 2.0 2.3 2.4	<u>RFGIÓU</u> Southeast West Central Wortheast	••••	0 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			••••••••••••••••••••••••••••••••••••••					1	: 1 1 1
83.6 85.4	-1.4 1.4	<u>SEK</u> Hele Female	••••				••••••				••••••		1
75.5 87.2	-9.5° 2.1°	COLOP Slack	•••			••••••	*******		••••••	••••••	••		1
75.5 81.5 96.2 88.6	-9.6* -1.6 1.1 3.5*	PARENTAL ZOUCATION Some Migh School Graduated High Sch. Foat Migh School	***	*****					*******	******	********	• • • • • • • • • • • • • • • • • • •	; ; ; ;
91.5 75.5 95.7 84.8 86.0 84.5 90.1	-3.5 -8.3 0.6 -0.7 0.9 3.8* 5.0*	SIST-NUD-TYPE OF CONGRESSION STATEME Enner City Extreme Rural Small City Yedium City Rest Of Big City Suburban Fringe Extreme Aff Suburb						•••••	•••••	•••••	••• ••••••	               	1 4 1 4 1

B. You can drive all the way from Northtown to Falls City on Highway 71.

True

O False

O I don't know.

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4 19 5002855	400FD	YARIANLE IROUP				PERCEN	TAGE OP	SUCCESS				
SAFFFIT	FITTE	16349877	3 10	20	30	•0	50	60	70	80	90	100
95.2		MATIGNAL	•	******	*			••••••	•••••	•••••		1
		BEGION										<u>i</u> i
92.5	-2.6	FEYAYZ. Southeast										!!
95.5	1.3	Vest		********								1. !
95.9	0.6	Central	********									7- 7
95. 9	0.6	Fortheast	********	••••••	••••••	••••••	•••••	••••••		•••••	•••••	•
		SEX										i i
95. 1	0.1	Mele	*********	•••••••		•••••	••••••	••••••	••••••	•••••		• •
95.1	-0.1	Pemale	********		*******	••••••	•••••	••••••	••••••	•••••	•••••	1
		C0103										
86.4	-8.7•	Black	*******	••••••		•••••						1 1
•7.1	1. 9*	White	********	•••••••	••••••	••••••	••••••	••••••	•••••	•••••	••••••	1 1
47.7	-7.4.	PARSUTAL EDUCATION										1 1
15.0	0.8	No High School	**********	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••	1 1
95.5	0.8	Some Migh School			••••••	••••••	• • • • • • • •	••••••	••••••	•••••		4. 1
97. 3	2.1-	Gtadeated High Sch. Post High School	*********							*******	*******	1 !
		SIZE-APD-TYPE OF_COMMUNITY								•	•	
89. 1	-5.8•	Extreme Inner City	********		•••••	••••••	••••••	••••••	•••••	******	***	1 1
91.4	-3.8	Extreme Aural	********	••••••	••••••	•••••	•••••	••••••	••••••	••••••	*****	i i
94.1	0.9	Small City	*********	••••••	******	•••••	•••••	••••••		*******		• i
45.0	0.9	Medium City	********	••••••								4. i
45.6	0.	Test Of Big City	********	• • • • • • • • • • • • • • • • • • • •	••••••	•••••	******	••••••	•••••	••••••	• • • • • • • • •	1 1
95.9	0.0	Suburben Fringe	********	• • • • • • • • • • •		•••••	•••••	••••••	•••••	••••••	•••••	1. 1
95.7	3.6*	Extreme Aff Subuch	•••••	•••••••	••••••	••••••	••••••	•••••	••••••	••••••	******	4 1



C. Hope is the town closest to Centerville.

True

O falsa

O I don't know.

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\$ 0P	4808P						PERCEN	TAGE OP	SUCCESS				
SECCESS	effect	TARIABLEGROTE	0	10	20	30	•0	50	60	70	•0	90	100
95.4		MATIONAL	••••	••••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	••••	•
93.0	-2.2	<u>REGION</u> Southeast	••••			••••		•••••		•••••	•••••		,
95.9	0.3	Vest	****		*******	******	••••••	******	*******		******	•••••	- 1
96.8	0.0	Central		******	*******	******		••••••	******	••••••	******	••••••	• 1
96.5	1_0	Hortheast	••••	•-•••	*****	******	••••		••••	••••••	*******	•••••	• !
		521											. ! !
90.3	-1.4*	Mele	****										
95.9	1.3*	Femala	••••			•••••			•••••	•••••			
		CO108						<b></b> -					11
66.0	-7.60	Mlack	****	*****	******	******	*****	• •• •• ••			*******		
97.2	1.5-	White	****		******		•••••	••••••		******		•	
		PARRETAL EDUCATION											
90.1	-5, 54	So High School	••••	******		*******					********		
94.9	-0.7	Some High School Graduated High Sch.	****						*****				
96.5 97.8	0. <b>†</b> 1.7•	Post High School	••••	*****	*******	*****	•••••		•••••	•••••	******	******	• • •
,		SIZE-AND-TYPE OF_CORNWEITI											
92.0	- 3. 6	Extreme Inner City	****	******	*******	******	••••••	••••••	••••••	••••••	*****	******	!!
12.6	-3.0*	Extreme Rural	****	*****	******	******	*******	******	••••••			*******	.!!
95.4	0.7	Smell City	****	******		400000		# #######			********		- T
93.0	-1.6	Todium City	****										
99.1	3.40	Hest of Big City									******		
96.7 100.0	1.1	Suberben Pringe Extreme Aff Saburb							*******		*******		•••••
190.0	4,44	PECCAMA VIC SARALE											• •



D. Centerville is farther west than Hope.

O True

False

O I don't know.

T10 73 6/1 02-1214043 90030070

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5 02	GROUP		PERCENTAGE OF STCCESS
Success	12221	YARIABLE GROUP	0 10 20 30 40 50 60 70 80 90 100
93.0		WATIOTAL	
79.6	-4.2	Southeast	
84.5 84.7	0.8 0.9	Weat Central	
96.1	2.3	For theast	***************************************
		111	1 1
83.9 43.7	0.0 -0.0	Hale Female	***************************************
69.9 <b>86.</b> 8	-14.70 3.00	COLOR Slack Thite	***************************************
71.1 77.9	-12.6° -6.8° 0.6	PARENTAL EDUCATION TO High School Some High School Graduated Wish Sch.	
90.9	7.0+	Post High School	***************************************
		OF CONSUSTI	į į
80.1	-3.6	Extreme Inner City Extreme Recal	***************************************
76.0 83.9	-7.7 -0.3	Small City	
84.7	0.9	Hedium City	***************************************
81.7	-2-1	Rest Of Sig City	***************************************
87.5	3.7	Saburban Pringe	
88.6	4.8	Extreme Aff Stherb	***************************************

E. Highway 20 runs on the south side of Rice River.

O True

False

O I don't know.

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₹ <b>ე</b> ₽	GPOUP						PERCEN	TAGE OF	SUCCESS		-		
SUCCESS	EFFECT	YARIABLE GPOUP	_										
			0	10	20 +	30 +	<b>40</b>	50 +	60 +	70 +	80	90 +	100
71.0		WATIONAL	••••	•••••	*******	••••••	••••••	•••••	•••••••	*****			!
										- 1			- 1
		BIGION								i			i
67.5	-8.4-	Southeast		• • • • • •	*******	*******	• • • • • • • • •	•••••	•••••	1			ļ
73.0	2.0	West	****		*******	••••••		*****	•••••	*****	_		!
74.9	3.94	Central	****		*******	••••••	••••••			•••••	•		. !
73.0	2.0	Wortheast	••••	•••••	*******	••••••	••••••	******		*****			!
										- !			- 1
		SEX								i			i
71.8	0.8	Hale	****	******		******		*****	•••••••	*****			1
70.2	-0.8	*emale	****	• • • • • • •	•••••		••••••	*****	••••••	*****			- 1
													. !
		COLOR								!			
51.3	-19.7*	COLOR Black								:			- 1
75.9	4.04	White									_		- :
73.7	4.0	41774									•		i
										i			i
		PARENTAL EQUIATION								1			ļ
54.9	-16.10	Wo High School	****	•••••	••••••	••••••	•••••••	•••••	••	ı			1
59.2	-11.8*	Some Nigh School	••••	••••••	********		••••••	******	••••	1			ļ
72.8	1.8	Graduated High Sch.	****	•••••	••••••		••••••		*******	****			!
73.5	8.5*	Post Nigh School	••••	•••••		••••••	••••••	•••••	•••••	•••••			- !
		SIZE-AND-ILPE								i			i
		OF COSHUNITY								i			i
56.4	-14.6*	Extreme Inner City	****		••••		••••••	*****	•••	i			i
64.9	-6.1	Extreme Racal		*****	••••••		••••••	*****	•••••	• j			i
73.9	2.80	Small City	••••		**** ****	••••••	• • • • • • • • •	*****	••••••	*****			1
68.6	-2.4	Medium City	••••		*******	••••••	• • • • • • • • •	*****	••••••	****			
76.7	5.7	Rest Of Big City	****	• • • • • • •	•••••	******	• • • • • • • • •	••••••	•••••	******	••		1
76.6	5.60	Suburban Pringe	••••	•••••	•••••	•••••••	•••••••	******	•••••		••		1
76.2	5. 2*	Extreme Aff Sabarb	••••		*******	••••••	••••••	•••••	••••••	*****	••		- 1

Exercise R214, Subtheme C

The five parts of this question all asked children to answer questions using the map provided. The map reading skills involved included: translating distances on a map into distances between places, determining whether particular routes existed, reading relative distances and determining relative positions.

Exarcisa R219, Subtheme C

Read the passage and look at the chart, then complete the sentence below it.

This chart shows the number of fatal sccidents (broken line) and the number of vehicle miles (solid line) in California, arranged according to the hour of the day.

material deleted due to copyright restrictions

Most fatal accidents occurred between

- O 1 a.m. and 2 a.m.
- 2 a.m. and 3 a.m.
- 4 a.m. and 5 a.m
- O 6 a.m. and 7 a.m.
- O 7 a.m. and 8 a.m.
- O I don't know.

\*Youth at the Wheel, Harold T. Glenn, reprinted by permission of Chas. A. Bennett Co , Inc.

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13 17 A

SUCCESS	GROUP EPPECT	YAZIABLE GROUP					PENCEN	TAGE OF	SUCCESS				
******		15461141	0	10	20	30	40	50	60	70	80	90	100
53.5		WATIONAL	•	••••	•••••	•	•••••	•••••	•	•	•	•	*
								i					i
		REGION											į
42.5	-10.90	Southeast	****				******						1
56.0	2.5	Vest	****	******	*******	*******	*******	•	••				- 1
57.5	9.1	Central	****	*****	*******	******							
56.6	3.1	Northaust	****		******	*******							- 1
								i					i
		SEK						:					!
53.9	0.5	Hale	****	*****		******							i
53.0	-0.5	Pamala	****	*****	•••••								i
								i					i
		COLOR						!					. !
29.3	- 25. 20	MACK Black						!					. !
58.4	5.0*	White	****					1					!
J0. 4	J. V.	481.64			********			1					- 1
		PARRETAL EDUCATION						. !					į
37.5	- 16.00	Wo High School	****		*****								!
44.0	-9,4*	Some High School	****										
53.0	-0.4	Graduated High Sch.	****					!					
54.3	10.9*	Post High School								,			- 1
		• • • • • • • • • • • • • • • • • • • •						i					i
		<u> Size-Aud-Tipe</u>						!					į
34.5	-15.00	Of COMBUNITY Extreme Inner City						!					!
46.3	-7.2	Fxtreme Waral	****		********			!					!
53.5	0, 1	Smell City											. !
55.4	1.9	Medium City	***	******					•				- 1
49.7	-3.7	Hest Of Big City	****	******		******	*******	****					. 1
56.8	3. 3	Saburban Fringe	****			******	*******	*******	••				` !
63.1	9.6*	Extreme Aff Suburb	****	******	••••••	******	*******	•••••••	*****				- 1
								•					

Exercise R219, Subtheme C

Respondents were asked to find the modal group in this exercise.



Exercise R220, Subtheme C

Read the passege and look at the chart, then answer the question which follows it.

This chart shows the number of fatal accidents (broken line) and the number of vehicle miles (solid line) in California, arranged according to the hour of the day.\*

material deleted due to copyright restrictions

All but one of the following factual conclusions can be reached from the data presented. Which statement goes beyond the data given in the chart?

- O Fewer fatal accidents occur during the day than at night.
- Driving at a time when most people would be sleepy is dangerous.
- Eating a good lunch tends to keep drivere alert to driving hazards.
- Traffic becomes heavier at the end of the working day than at the beginning.
- Just because there are few vehicles on the road is no reason to relax one's safety precautions.
- O I don't know.

\*Youth at the Wheel, Harold T. Glenn, reprinted by permission of Chas. A. Bennett Co.. Inc.

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5 OF	GROUP						PERCEN	TAGE OF	SUCCESS				
SUCCESS	Briect	TARIABLE GROUP	0	10	20	30	40	50	60	70	80	90	100
16.7		MATIONAL	:	•••••	•••	•	•	•	•	•	•	•	į
16.3	-0.4	REGION Southeast	••••										- !
17.0	0.3	West	****	•••••	••••								i
17.7	0.4	Central	••••	•••••	••••								i
16.3	-0.3	Northeast	••••	•••••	•••								- !
17.2	0.6	SEX Half											
16.1	-G.5	nai: Pemale	••••		***								- 1
	•••	COLOR			į								į
9.3	-7.4=	Black	••••	••••	i								i
17.8	1, 14	White	••••	•••••	••••								
14.2		PARENTAL EDUCATION NO High School											!
13.8	-2.5 -2.9	Some Migh School	****										- :
13.1	-3.5*	Gradueted High Sch.	••••	*****	•								i
22.5	5. 84	Post High School	••••	••••••	•••								į
		SIZE-AND-TYPE OP_CONNUNITY			į								į
8.9	-7.9=	Extreme Inner City	••••	••••	i								i
16.5	-0.1	Extreme Rural	••••	******	•••								- 1
16.0	-0.6	Small City	****	*****	•••								!
15.6	-1.0	Medium City	7040		••1								!
21.1 18.0	4.5° 1.4	Rest Of Big City Suburben Fringe											!
21.2	4.6	Extreme Aff Suburb	••••		•••••								i
41.4	7.0	Excrame urr adnara											•

Exercise R220, Subtheme C

The respondents were asked to determine which alternative was unrelated to the chart.

Exercise R226, Subtheme D

Look at the following raport card. What period of time do these grades cover?

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The first reporting period

The second reporting period

O The entire semester

O The entire year

O I don't know.

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\$ 0F	GROOP						PERCEN	TAGE OF	SOCCESS				
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68.7 78.5 83.5 81.8 11.0 88.3 82.6	-13.3° -3.5 1.4 -0.2 -11.0° 6.3° 0.6	SIZE-AUD-TIPE OF COMBURITY Extreme Inner City Extreme Raral Small City Rediam City Reat Of Big City Saburban Fringe Extreme Aff Sabarb						******** ******* ******* ******				•	

Exercise R226, Subtheme D

This exercise required the respondent to locate the phrase containing the words "period" and "time" and note the numbers associated with them.



Exercise R227, Subtheme D

Lock at the following report card. This student is improving his work in which subject area?

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	FAILING	•	BOOKS OR MATERIALS NOT PROUGHT TO CLASS
	MICENSPLETE	-	ASSIGNMENTS ARE NOT COMPLETED REGULARLY
***	10 MARK	-	POOR ATTEMPANCE IS AFFECTING SCHOOL WORK
C=	CREDIT		STUBY HABITS NEED NOTICE ""
-	WITHORAS PASSING	-	PLEASE CONTACT TEACH AND CONSELOR
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,	PAGEING		

\*07 79 3/1 04\*7227013 \*00300¥0

13 17 A

C English

O Science

● Foreign language

Mathematics

O I don't know.

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24.5 53.8	-28.34 5.6°	<u>COL23</u> 51ack White	••••••	
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11.9 44.1 47.6 47.6 61.9 65.3	-20.9* -8.5 -3.2 -3.0 9.0* 6.0 12.5*	SIZE-AVELTYPE OF COMBUTIT Extreme Inner City Extreme Sweal Small City wedium City Rest of Big City Suburban Pringe Extreme Aff Suburb		 

Exercise R227, Subtheme D

This exercise required the respondent to look up a code in the legend provided at the bottom of the report card.

Exercise R228, Subtheme D

Look at the following report card. In which class does this student appear to have a problem?

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· MILMOPLETE	A ANTHONY PROPERTY AND HOT COMPLETED RESOLANCE
	8 FROM ATTRIBUTED & APPROVING SCHOOL REPORT
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an antique regions	a digentarian stable untubrant
at artiglian (as, sa,	9 PLEASE CONTACT TEACHER THROUGH COUNTY UP
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13 17

AlgebraFnulish

O Science

O I don't krow.

O Physical Education

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79.9	-4.4	Extreme Rural	****		••••••	••••••		••••••	••••••	•••••	••••	ı	1
-2.7	-0.6	Small City	••••	••••••	••••••	*******	•••••	••••••	•••••	••••••	••••••	1	
79.1	-4.0	Medium City	••••	•••••	••••••	••••••	••••••	•••••		••••••	••••	1	!
49.5	6.2*	Rest Of Big City	••••	•••••	••••••	••••••	••••••	•••••	••••••	••••••	••••••	•••••	
89.5	6.20	Suburban Pringe	••••	•••••	••••••	••••••	••••••	• • • • • • • •	••••••	••••••	*****	· · · · ·	. !
49.4	6.04	Extreme Aff Suburb	••••	••••••	••••••	******	••••••	••••••	••••••			;· ··	1

Exercise R228, Subtheme D

A respondent answered this question acceptably if he understood that "assignments not completed regularly" is a problem.



Exercise 7230, Subthere D

Look at the chart and answer the question which follows it. You have planned to do the following things this week:

Monday	9:00	a.m.	-	4 • 30	p.n.	School
Monday	5:00	p.m.	-	6:15	p.m.	Cheerleader practice
Tuesday						Vacation from school
Wednesday			-	4:30	p.m.	School
Wednesday	7:00	p.m.			-	Bowling
Thursday	9:00	a.m.	-	4:30	p.m.	School
Thur sday	10:00	p.m.			-	Slumber party
Friday	9:00	a.m.	-	11:30	a.m.	School, 1/2 day
Saturday	4:30	p.fi.	-	7:00	D.M.	Birthday party

Which one of the following additional things could you go to on time if you wanted to?

Monday	6:00 p.m.	- 8:00 p.m.	Concert at the Adam's Theater
O wednesday	1:30 p.m.	- 3:00 p.m.	Little Theater Meeting
O Thursday	10:00 a.m.	- 11:00 a.m.	Free popcorn at Hanson's store
Friday	7:30 p.m.	- 11:00 p.m.	Spring Formal
Saturday	5:00 p.m.	- 7:30 p.m.	Movie. Tarzan

O I don't know.

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9.3	-17.6*	To ligh School	••••	••••		1							ì
26.3	0.4	Some High School	••••	•• ••••	•••••	• •							1
22.5	- 3. 40	Graduated With Sch.	••••	•••••	•••••	1							1
35,7	9. 3*	Post High School	••••	• • • • • •	••••••	• • • • • • • •	•						1
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21.5	-2.4	Extreme Inner City	****	••••••	********	i							i
18.5	-7.39	Extreme *eral	••••	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	i							i
23.5	- 2.4	Small City	••••	••••••		i							i
26.6	0.8	Medium City	••••	••••••	• • • • • • • • • • •	·		5					i
24.1	2.2	Mest of Big City	••••	• • • • • •	••••	•••							i
27.4	1.6	Suburban fringe	••••	******	******	• • •							i
31.2	5.3	Extreme Aff Sabarb	••••	• • • • • • •	•••••	*****							i

Exercise R230, Subtheme D

The respondent needed to check each alternative against the schedule in order to locate the acceptable answer.

Exercise R231, Subtheme D

Look at the following report card. According to the report card, in what subject area did the student do BEST?

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13 17

EnglishForeign language

O Science

O Mathematics

O I don't krow.

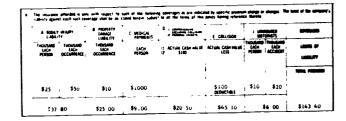
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79.5 92.2	-1. R 1. 9	521 Rale Female	*******	**********	· · · · · · · · · · · · · · · · · · ·	********	*******	*******	•••••	••••		
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59.2 74.0 83.3 88.3	-21.2* -6.3* 0.5 7.6*	PARTHEAL <u>SDUCATION</u> No High School Some High School Graduated High Schol Post High School	*******	•••••••••••••••••••••		********* *********	••••••• ••••••• ••••••	••••	******* *******		•••	
62.2 77.9 77.2 91.4 78.6 97.2	-18.1* -2.5 -3.1 1.0 -1.8 6.8*	SIZE-APD-TIPE OF COMMUNICATI Extreme Foner City Extreme Rural Small City Rest Of Big City Substan Fringe			*******	******	••••••	••••••	•••••		•••	1 1
85.9	6.54	Extreme Aff Suburb	******	••••••	******	• • • • • • • •	••••••	•••••	•••••	• • • • • • • • •	***	i

Exercise R231, Subtheme D

To respond acceptably, a respondent would have to know that an "A" is the best possible grade and "Spanish" is a foreign language.

Exercise R23f, Subtheme D

Below is an excerpt from an automobile insurance policy. Look at it carefully and then answer the questions which follow it.



- A. What is the maximum amount for which this policy covers medical bills?
  - \$ 1,000
  - O \$ 5,000
  - O \$10,000
  - O \$25,000
  - O I don't know.
- #13 10 3/1 01\*\*\*236010 U19390**V**0

13 17 A

5 OF	GROVE		PERCENTAGE OF SUCCESS	
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75.6 93.4 85.6 96.6	-5.0* -0.2 2.0 3.0	RFGI2M Southeast West Central Wortheast	***************************************	1
82.6 94.5	-1.0 0.9	SFX Rale Female	***************************************	
69./ 86.1	-14.0° 2.5*	COLOR Black White	***************************************	!
71.1 83.5 83.5 84.6	-12.5* -0.2 -0.0 4.9*	PARENTAL EDUCATION NO High School Some High School Gradiated High School Post High School	# # # # # # # # # # # # # # # # # # #	1 1 1
71.2 77.0 84.1 84.5 91.5 84.4 88.0	-12.5* -6.6* 0.4 0.9 7.9* 0.7	SIZE-NAD-TIPE OF CONTUNITY Extreme Inner City Extreme fural Small City Medium City Rest Of Big City Suburban Fringe Extreme Aff Suburb		1 1 1

B. What is the maximum amount this policy would pay in case you injured another person in an automobile accident?

O \$ 25

O \$ 1,000

O \$ 5,000

\$25,000

O I don't know.

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13 17 A

5 OP	GROUP	##D*****	÷				TAGE OF	SUCCESS				
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9.6 7.9 7.9 7.3	1.5 -0.3 -0.3 -0.8	REGION Southeast West Central Wortheast	******									
8.4 7.9	0.3	SEX Male Pemale	! ! ******* !									
13.1	4.9* -0.8*	<u>CC LOR</u> Black White	 									
9.6 7.2 7.8 9.1	1.5 -0.9 -0.3 0.0	PARENTAL EDUCATION NO HIGH School Some High School Graduated High Scho. Post High School	******									
13.1 6.3 7.2 10.8 11.3 5.9 7.6	5.0* -1.8 -0.9 2.7* 3.2 -2.2	SIZE-NAD-TYP2 OF COMMUNITY  Sxtreme Inner City Extreme Rural Small City Waldium City Rest of Big City Suburban Fringe Sxtreme Aff Suburb	******									1 1



Exercise R236, Subtheme D

The acceptable response could be located by locating the only column in the table containing the word "medical" or by knowing that medical payments cover medical bills.

#### CHAPTER 5

#### RESULTS FOR 17-YEAR-OLDS

The 17-year-olds who participated in the Reading assessment fell into two groups: in-school (those who were enrolled in a public or private school) and out-of-school (teenagers who had either dropped out of school or completed high school early). In-school 17-year-olds were all born between October 1, 1953, and September 30, 1954. About three fourths of them were in the eleventh grade at the time of the assessment, with the remaining teenagers being split between the tenth and twelfth grades. Out-of-school 17-year-olds were divided into two groups. One group was made up of teenagers who were not enrolled in school in January, 1971, and were born between October 1, 1953, and September 30, 1954; the second group was composed of people not enrolled in March, 1970, and born between October 1, 1952, and September 30, 1953. The latter group was included in order to increase the representation of out-of-school teenagers in the sample. The belief, in adding them to the sample, was that one year's difference in age would be unimportant -- that the way they responded would still be due to the fact that they were out of school.

Type of community information was not collected from the out-of-school 17-year-olds. This meant that the size and type of community information reported in this chapter bears only on the in-school teenagers.

Almost 86% of the 17-year-olds responded acceptably to Theme 2 exercises, though the levels of success varied with the particular subthemes the exercises appeared in. The median percentages of success are shown in Exhibit 5-1.

Performances for the regions were as follows: teenagers from both the Northeast and West had levels of success close to the value for the nation as a whole. Seventeen-year-olds from the West performed less well than usual on four exercises from Subtheme D (U221, part 3; U225, part 1 and 3; and U237, part 1) and one from Subtheme B (U217, part 4), while those from the Northeast performed unusually poorly on only one (U218, part 2, Subtheme D), and unusually well on three from Subtheme C (U216, part 1; R220; and R238). Teenagers from the Central region showed a positive characteristic though they performed unusually



EXHIBIT 5-1. Performance on the Subthemes

	Subtheme	Median Percentage of Success	Number of Effects
Α.	Interpreting drawings and pictures	83.2%	1
В.	Reading signs and labels	86.3	8
c.	Reading charts, maps and graphs	85.5	12
D.	Reading forms	87.6	19
	TOTAL	85.8%	40

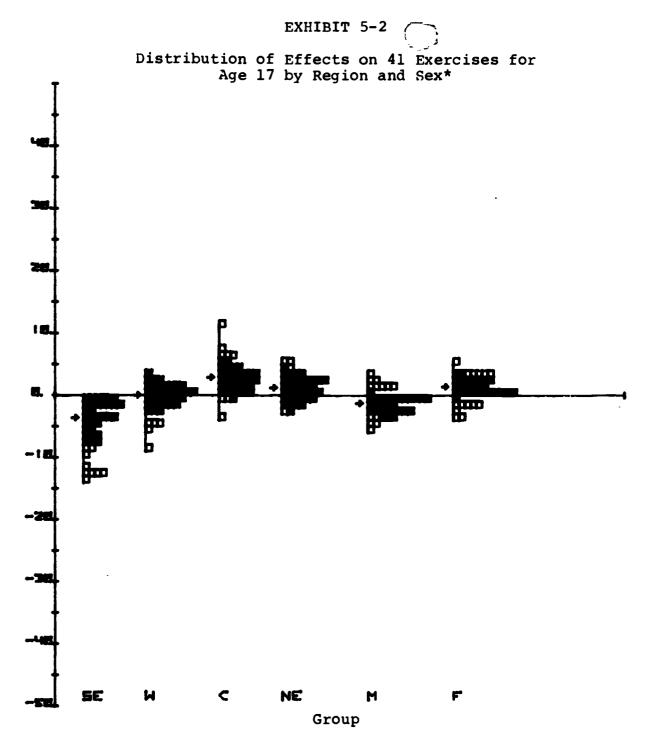
poorly on three Subtheme C exercises (R214, part 1; U216, part 2; and U238) and unusually well on two from Subtheme D (U221 and U225). Finally, Southeast 17-year-olds showed a negative characteristic. They also performed unusually well on four Subtheme B exercises (U217, parts 2 and 4, and U232, parts 1 and 2) and unusually poorly on five others (Subtheme C: U217, part 1; R219; R220; U224; and R227).

Teenage boys showed a negative tendency in their rates of acceptable responses while teenage girls showed a positive one. The exceptional exercises for both groups are displayed in Exhibit 5-3.

Black effects were characteristically negative while those for Whites were characteristically positive. Exceptional exercises for these two groups are shown in Exhibit 5-4.

As in the case of 9- and 13-year-olds, percentages of success increased with increases in parental education levels. Seventeen-year-olds whose parents had no or only some high school both showed negative characteristics while those whose parents graduated from high school had percentages of success that were approximately equal to those for the mation as a whole. Teenagers of parents who had post high school educations had a positive characteristic. Exceptional exercises for these groups of teenagers are shown in Exhibit 5-5.

Three size and type of community groups had levels of success approximately equal to the value for the nation as a whole: extreme rural, medium cities and the rest of big city. Extreme

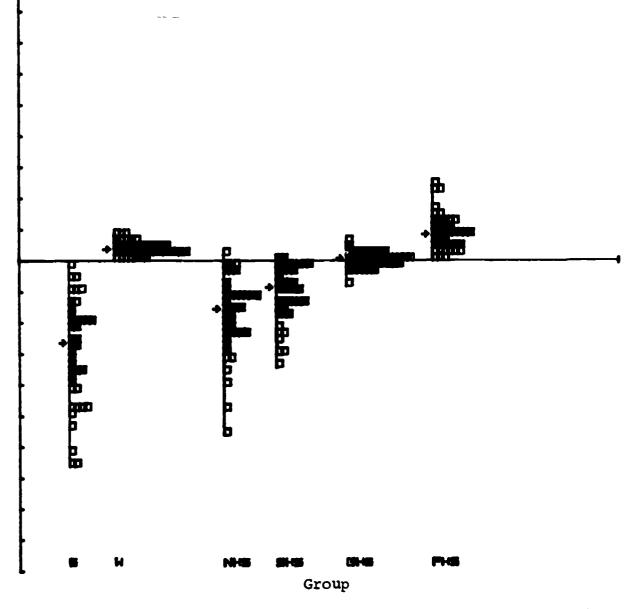


\*Arrows indicate group medians, blackened boxes indicate typical exercises, open boxes indicate atypical exercises. Abbreviations: SE, Southeast; W, West; C, Central; NE, Northeast; M, male; F, female.

87

EXHIBIT 5-2a

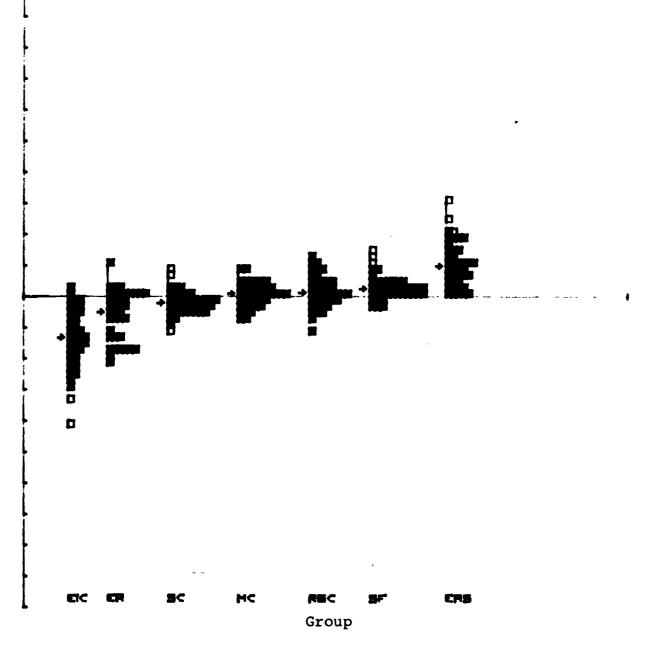
Distribution of Effects on 41 Exercises for Age 17 by Color and Parental Education\*



\*Arrows indicate group medians, blackened boxes indicate typical exercises, open boxes indicate atypical exercises. Abbreviations: B, Black; W, White; NHS, no high school; SHS, some high school; GHS, graduated from high school; PHS, post high school.

EXHIBIT 5-2b

Distribution of Effects on 41 Exercises for Age 17 by Size and Type of Community\*



\*Arrows indicate group medians, blackened boxes indicate typical exercises, open boxes indicate atypical exercises. Abbreviations: EIC, extreme inner city; ER, extreme rural; SC, small city; MC, medium city; RBC, rest of big city; SF, suburban fringe; EAS, extreme affluent suburb.

EXHIBIT 5-3. Exceptional Exercises for 17-Year-Old Boys and Girls

Exercise	Subtheme	Performance on the Males	Identified Exercise Females
D205	В	Better than usual	Worse than usual
R205 U217, part 1	В	Better than usuar	Better than usual
U217, part 1	В	Worse than usual	Better than usual
U217, part 4	В	Worse than usual	Better than usual
U232, part 1	В	Better than usual	Worse than usual
U232, part 2	В	Better than usual	Worse than usual
R214, part 5	С	Better than usual	Worse than usual
R216, part 2	С	Worse than usual	Better than usual
R219	С	Better than usual	Worse than usual
U225, part 2	D	Better than usual	Worse than usual
U225, part 3	D	Better than usual	Worse than usual
R227	D	Worse than usual	Better than usual
U236, part 2	D	Better than usual	Worse than usual
U237, part 1	D	Worse than usual	Better than usual

Black teenagers showed a negative characteristic on Theme 2 exercises while White teenagers showed a positive characteristic. The exceptional exercises for these groups are listed in Exhibit 5-4.

EXHIBIT 5-4. Exceptional Exercises for Black and White 17-Year-Olds

Exercise	Subtheme	Performance on the Blacks	Identified Exercise Whites
	_		
U223	A	Worse than usual	_
U217, part 2	В	Worse than usual	Better than usual
U217, part 3	В	Better than usual	
U232, part 1	В	Worse than usual	Better than usual
U232, part 2	В	Worse than usual	Better than usual
R239	В	Better than usual	Worse than usual
R214, part 1	С	Better than usual	Worse than usual
R214, part 2	С	Better than usual	Worse than usual
R214, part 3	C	Better than usual	Worse than usual
R214, part 5	Ċ	Worse than usual	Better than usual
R219	Č	Worse than usual	Better than usual
U224	č	Worse than usual	_
U238 -	Č	Better than usual	_
U221, part 3	D	Worse than usual	
U225, part 2	D	Worse than usual	
R227	D	Worse than usual	Better than usual
	_	Better than usual	
U234, part 1	D		HOISE CHAIL GOGGE
U237, part 1	D	Worse than usual	

EXHIBIT 5-5. Exceptional Exercises for the Different Parental Education Groups

Red						Per	forman	ce on t	he Ide	ntified	Performance on the Identified Exercise			
part 2 B Worse than usual part 3 B Worse than usual part 4 B Worse than usual part 2 C Worse than usual part 2 C Worse than usual part 2 C Worse than usual	Exerc	180	Subtheme	SHN			SHS		İ	GHS			PHS	
part 2 B Worse than usual Worse than usual Part 2 B Worse than usual Part 2 C Worse than usual Part 2 C Worse than usual Part 2 C Worse than usual Part 2 C Worse than usual Part 2 C Worse than usual Part 2 C Worse than usual Part 3 D Better than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 4 D Worse than usual Part 4 D Worse than usual	R205		•									Worse	then u	sual
part 3 B Worse than usual Part 2 B Worse than usual Part 2 C Worse than usual Part 2 C Worse than usual Part 2 C Worse than usual Part 2 C Worse than usual Worse than usual Part 2 C Worse than usual Part 2 C Worse than usual Worse than usual Part 3 D Better than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual Part 3 D Worse than usual	0217,	part 2	Ø									Better	than	usual
part 4 B Worse than usual Worse than usual Better than usual Better than usual Bart 2 C Worse than usual Worse than usual Worse than usual Worse than usual Better than usual Worse than usual Worse than usual Better than usual Worse than usual Bart 1 D Better than usual Worse than usual Bart 2 C Worse than usual Worse than usual Bart 1 D Worse than usual Worse than usual Bart 2 D Better than usual Worse than usual Bart 3 D Worse than usual Bart 1 D Worse than usual Bart 1 D Worse than usual Bart 1 D Worse than usual Bart 1 D Worse than usual Bart 1 D Worse than usual Worse than usual	0217,	part 3	Ø									Worse	than u	sual
part 2 B Worse than usual Part 2 C Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Part 3 D Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual D Worse than usual Worse than usual	0217,	part 4	<b>~</b>	Worse than	usual				Bet	ter tha	n usual			
part 1 C Better than usual part 2 C Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Part 2 C Worse than usual Worse than usual Worse than usual Part 1 D Better than usual Worse than usual Worse than usual Worse than usual Part 1 D Worse than usual Worse than usual Worse than usual Part 1 D Worse than usual Worse than usual Part 1 D Worse than usual Worse than usual Part 1 D Worse than usual Par	U232,	part 2	Ø	Worse than	usual	Worse	than u	sual				Better	than	usual
part 1 C Better than usual part 2 C Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual D Worse than usual Worse than usual D Worse than usual	R239		m					 				Worse	than u	sual
part 2 C part 3 C part 3 C part 3 C part 5 C Norse than usual part 2 C Norse than usual part 2 C Norse than usual part 1 D part 2 D part 3 D Norse than usual Norse than usual Norse than usual Norse than usual Norse than usual Norse than usual Norse than usual	R214,	part 1	ပ	Better tha	n usual							World	than u	sual
part 3 C Worse than usual Morse than usual C Worse than usual Worse than usual C Worse than usual Worse than usual C Worse than usual Worse than usual C Worse than u	R214,	part 2	ပ									Worse	than	Sual
part 5 C Worse than usual Worse than usual C Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual D Worse than usual	R214,	part 3	ပ									Worse	than	Sual
part 2 C Worse than usual Worse than usual C Worse than usual Worse than usual Worse than usual Worse than usual Part 2 D Better than usual Worse than usual Part 3 D Worse than usual Worse than usual D Worse than usual D Worse than usual D Worse than usual D Worse than usual	R214.	part 5	ပ	Worse than	usual							<b>!</b>		
C Worse than usual Worse than usual C Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Part 1 D Better than usual Worse than usual Part 1 D Worse than usual Worse than usual D Worse than usual D Worse than usual D Worse than usual D Worse than usual	0216,	part 2	ပ									Better	than	usual
Part 2 C Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual D Worse than usual Worse than usual D Worse than usual D Worse than usual D Worse than usual	R219	ı	ပ	Worse than	usual	Worse	then u	sual				Better	then	usual
Part 2 C Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual Worse than usual D Worse than usual D Worse than usual D Worse than usual	0220		ပ			Worse	than u	sual				Better		usual
Part 2 C Part 1 D Part 1 D Part 2 D Part 2 D Part 3 D Part 1 D Part 1 D Part 3 D Part 3 D Part 3 D Part 3 D Part 4 D Part 5 D Part 5 D Part 5 D Part 6 D Part 7 D Part 7 D Part 7 D Part 7 D Part 1 D Part 9 D Part 1 D Part 1 D Part 1 D Part 1 D Part 1 D Part 1 D Part 2 D Part 3 D Part 3 D Part 4 D Part 5 D Part 5 D Part 6 D Part 7 D Par	0224		ပ	Worse than	usual				ZOX X	se chan	usual	Better		usual
part 1 D Better than usual Worse than usual part 2 D Better than usual Worse than usual part 1 D Worse than usual Worse than usual D Worse than usual	0235,	part 2	ပ			Worse	than u	gual						
part 2 D Better than usual Morse than usual part 3 D Morse than usual Morse than usual part 3 D Morse than usual D Morse than usual D Morse than usual	U218,	part 1	Δ			Worse	than u	sual						
part 3 D Worse than usual Morse than usual part 1 D Worse than usual D Worse than usual D Worse than usual	0221,	part 2	Ω	Better tha	n usual							Worse	than u	sual
part 1 D Worse than usual Worse than usual D Worse than usual D Worse than usual	U221,	part 3	۵			Worse	than u	sual				Better	then	usual
part 3 D Worse than usual Worse than usual part 1 D	<b>U225</b> ,	part 1	Ω									Worse	than u	sual
D Worse than usual	0225,	part 3	۵			Worse	than u	sual						
part 1 D	R227		۵	Worse than	usual							Better	than	usual
	0234,	part 1	Ω									Worse	than u	sual

inner city and small city 17-year-olds displayed negative tendencies while only one group, the suburban fringe, showed a positive one. The extreme affluent suburb was the only group showing a characteristic once again, the characteristic was positive.

The extreme inner city teenagers performed unusually poorly on two exercises, U221, part 3 (Subtheme D), and R219 (Subtheme C). Small city 17-year-olds had unusually high percentages of success on two exercises (U217, part 2, Subtheme B, and U236, part 2, Subtheme D) and an unusually low percentage on Subtheme D (U225, part 2). There were three exercises (U217, part 2, Subtheme B, and U225, part 2, and R227, both from Subtheme D) having unusually high rates of success for suburban fringe teenagers. Those from the extreme affluent suburbs performed unusually well on three Subtheme C exercises: U216, U219 and U220.

The median performance for each group on each subtheme is shown in Exhibit 5-6. Since pooled standard errors for subthemes were unavailable when this report was written, there was not enough information available to identify exceptional subthemes the way it was possible to identify exceptional exercises. In examining the values in Exhibit 5-6, remember that the larger the difference between two medians, the more likely it is that the difference does not reflect random error and does indicate that a reliable difference exists between the two groups in terms of their performances of the subtheme(s).

The remainder of this chapter is devoted to the exercises administered to 17-year-olds. Each exercise is numbered with a letter and a numeral. The letter (either R or U) indicates whether the text of the exercise has been released or is unreleased. The unreleased exercises are being retained for the next Reading assessment, in 1975-76. These exercises will be used again, and comparisons can be made between the 1969-70 results and the results collected during 1975-76.

The text for released exercises is presented exactly as the exercises were administered during the assessment. The acceptable answer is indicated (by a blackened oval) as is a brief discussion of the exercise itself and how the respondent may have arrived at the acceptable answer.



<sup>1</sup>Though the correct or best answer may have been reached by guessing, guessing is not considered here as a method for reaching the correct answer; the mention of guessing now is sufficient for all the exercises.

EXHIBIT 5-6. Median Effects for Each Group on the Subthemes

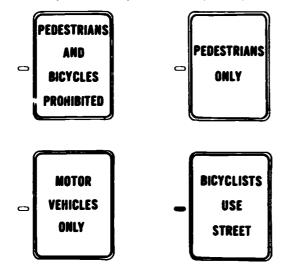
Group	Sub- theme A			theme	All Sub- themes
Region					
Southeast	-5.4	-4.7	-3.7	-3.4	-3.7
West		-1.4	•		
Central	2.8	3.8	1.1	3.1	2.8
Northeast		2.4	1.4	. 4	1.2
Sex					
Male	-1.3	-1.7	4	-1.6	-1.3
Female	. 3	1.6	. 4	1.5	1.3
Color					
Black		-10.7			
White	2.7	2.3	1.3	1.9	1.8
Parental Education					
No High School		-8.0			
Some High School	-4.7	-3.4	<b>-5.</b> 3	-4.6	-4.3
High School Graduate	1.1	. 5	4	.3	.3
Post High School	4.3	2.5	4.3	4.1	4.2
Size and Type of Community				•	
Extreme Rural	-3.3		-		
Extreme Inner City		-4.5		<b>-7.3</b>	
Small City		9			-1.1
Medium City		8			. 5
Suburban Fringe		2.0			.7
Extreme Affluent Suburb	2.8	5.2			
Rest of Big City	0.0	1.1	1	.6	4.9
Number of Effects	1	8	12	19_	40

Along with the exercise and/or its description, the percentage of success and the effects are presented for all the groups. A histogram is given with the percentage of success for each group represented by a bar. The leftmost vertical line (which cuts across the bar for each group) represents the national percentage of success, and the distance from the end of a group's bar to that line represents the group's effect—the difference between the performance for a group and the performance of the nation as a whole.

Starred effects (marked with an asterisk) indicate effects that differ reliably from zero.

Exercise R205, Subtheme B

Which sign shows where you should ride your bicycle?



- I don't know

506 01 3/1 04\*X205011 R10000V0

9 13 17

<b>5</b> 07	GROUP EFFECT	TARTARIS TROOP	-				PERCEN	TAGE OF	SUCCESS				
SUCCESS	PERECI	VARIABLE JROUP	0	10	20	30	40	50	60	70	80	90	100
96.1		NATIONAL	•	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••
		******					•						11
91.4	-4.70	<u>REGIOF</u> Southeast											- 1 !
97.5	1.40	West											
96.3	0.2	Central											
98.2	2.10	Wortheast	••••	••••••	•••••	••••••	*****	••••••	•••••	******	•••••	*****	••••
		SEX											- 1 1
97.3	1.20	ZES Hale											
94.9	-1.2=	Temale		•••••	••••••	••••••	*****	••••••	*****	•••••	*****	******	••
		C0101											11
86.2	-9.90	Black				••••••	******	******			******		1 1
97.4	1.3*	White	••••	••••••	••••••	•••••	•••••	••••••		••••••	••••••	*****	****
		PARENTAL EDUCATION											11
91.1	-5.00	to High School		*****	*******		******						1 1
94.4	-1.70	Some High School	****	******	*******		*****		******		******	******	**1 1
96.7	0.6	Graduated High Sch.	****	******		******	*******	••••••		******	******	*****	***
97.6	1.50	Post High School	••••	••••••	••••	••••••	******	••••••	•••••	••••••	*******	*****	4- 1
96.3		WATIONAL (1715 ONLY)	••••	•••••	•••••	••••••	*****	••••••	*****	••••••	••••••	*****	•••
		SIZE-AND-TIPE OF CONSUNITY											-
94.1	-2.2	Extreme Inner City		••••••	••••••	••••••	•••••			••••••	******	******	• i i
96.6	0.3	Patreme Bural	****			•••••		••••••	******	••••••	******	*****	
95.2	-1.1	Small City		••••••	*****		******		******		*******	******	••i i
94.5	-1.8	Hedium City	****	*****	••••••	••••••	******	••••••			*******	*****	••ı i
98.1	1.50	Rest Of Big City		••••••									***
97.6	1.3	Suburban Pringe	****	*****					*****				
99.7	3.3•	Extreme Aff Suburb	••••	******	•••••	•••••	••••	• • • • • • • •	•••••	•••••	••••••	******	*****

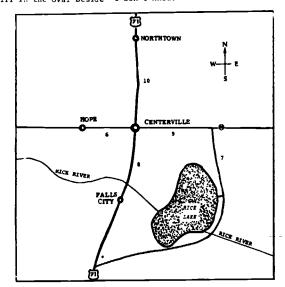
Exercise R205, Subtheme B

In order to respond correctly to this exercise, a child would have had to know the meanings of pedestrians, motor vehicles and prohibited, and he would have to know that a bicyclist is one who rides a bicycle.



#### Exercise R214 Subtheme C

Look at the road map and read each sentence carefully. If what the sentence says is true, fill in the oval beside "True." If what the sentence says is not true, fill in the oval beside "False." If you can't decide if the sentence is true or false, fill in the oval beside "I don't know."



- A. By car Northtown is closer to Rice Lake than to Hope.
  - O True
  - False
  - O I don't know.

S06 06 3/1 02\*X214013 R00300V0

## 9 13 17

T OF	G º O'J F					PERCEN	TAGE OF	SUCCESS				
STCCESS	erpegr	YARIABLE GROUP	0 10	20	30	40	50 •	60	70	80	90	100
95.1		HATIONAL	*******	• • • • • • • • • • • • • • • • • • • •		*****	•••••	******	•••••	•••••	*****	••
		PEGIOM										
93.3	-2.9=	Southeast	********	********	*******	******	*******	*******		******	******	*  1
95.4	0.1	West	********	*******	******	*******	*******	*******	******	******	*****	** 1
95.3	0.0	Central	******	********	*******	*******	******	******	*******	******	*****	**
96.7	1.4	Northeast	*******	*******	******	*******	******	******	*****	******	******	*** !
		SEX										1 1
94.7	-0.4	Male	*******	********	*******	*******	*******	*******		******	******	**
95.8	0.4	<b>"</b> emale	*******	********	*******	******	******	******	• • • • • • • •	*******	******	***
		COLOR										1 1
90.4	-4.9*	Black	********	*******	*******	*******	******	*******	*******	*******	****	1 1
96.0	0.7*	White	******	*******	******	*******	******	******	*****	******	******	<b>* † *</b>
		PARENTAL EDUCATION										1 1
93.2	<b>-</b> 5, 1 <b>=</b>	No High School	*******	********	******	******	*******	*******	******		****	1 1
95.4	0.0	Some High School	********	********	*******	*******	******	******	******	*******	******	**
96.6	1.1*	Graduated High Sch.	********	********	******	*******	*******	*******	*******	******	******	*** }
96.7	0.0	Post High School	********	*******	*******	******	******	******	******	******	******	*** 1
95.3		MATIONAL (1715 ONLY)	********	*******	******	******	******	******	• • • • • • • •	• • • • • • • •	******	• •
		SIZZ-AND-TYPE OF COMMUNITY										1 1
96.8	1.4	Extreme Inner City	********		******	*******	******	******	******		******	•••
95 . 8	0.4	*x*reme Aural	********	********	******	******	******	*******	******		******	***
94.6	-0.8	Small City	********	*******	******	******	******	*****	******	******	******	•• '
94.9	-9.4	Medium City	********		******	******		*******	******		******	•• i
93.7	-1.7	Rest Of Big City	********	********	******		******	*******	******		******	•i i
96.6	1.4	Suburban Fringe	*******		******	******	******	*******	******	******	******	••• i
96.0	0.€	Extreme Aff Suburb	********			*******		*******	*****	******	******	••• i



B. You car drive all the way from Northtown to Falls City on Highway 71.

True

False

O I don't know.

S06 76 4/1 01\*X214023 R00300V0

9 13 17

% OF	JROUP	MARKER COOKS					PERCEN	TAGE OF	SUCCESS				
SUCCESS	ETFECT	YARIABLE GROUP	0	10	20	30	40	50	60	70	80	90	100
98.2		NATIONAL	****	•••••	****	*	• • • • • • • •	*****	•••••	••••••	<del></del> .:	*****	
97.8 98.3	-0.3 0.1	REGIOM Southeast West	****	******	*****	******	******	******	*******	*******	*******	******	       
97.7 98.9	-0.5 0.7	Central Wortheast	****	*******	*******	*******	*******	*******	*******	*******	*******	*******	***         
97.9 98.5	-0.3 0.3	<u>STX</u> Hale Pemale	****	*******	*******	*******	*******	*******	*******	*******	*******	:0000701 :00000701	ii ••••
97.9 98.4	-0.3 0.2*	COLOF Black White	****	*******	*******	******	*******	*******	••••••	*******	• • • • • • • • • • • • • • • • • • • •	*******	11
97.6 98.1	-0.5 -0.1	PARENTAL EDUCATION NO High School Some High School	****	******	******		******	******	******	*****		********	
98.4	0.2	Graduated High Sch.	****			******	******	******	******			******	*****
98.4	0.2	Post High School	****	*******	*******	*******	******	*****	******	*******		******	****1
96.2	-1.0	NATIONAL (1715 ONLY)  SIZE-AND-TYPE OF CONMUNITY TXTreme Inner City	****	******	••••••	******	••••••	*******	••••••	******		*******	
97.2	-1.0	Extreme Rural	****	******	******			*****			******		***
97.7 98.5	-0.5 0.2	Small City Medium City	****	*******	********	*******	********	*******	 	*******	 	********	****
98.1	-0.1	Rest Of Big City	****	******	******	******	******	******	******	*******	******	*******	****
99.3 99.0	1.0* 0.7	Suburban Fringe Extreme Aff Suburb	****	*******	•••••	*******	*******	*******	••••••	*******	••••••	*******	



 $\bar{\mathcal{C}}_{+}$  . Hope is the town closest to Centerville.

True

O False

O I don't know.

506 06 5/1 01\*X214033 R00300¥0

9 13 17

FOF	GROUP			PEPC	ENTAGE OF	SUCCESS				
<u> SUCCBSS</u>	ELIBCI	VARIABLEGROUP	0 10 20	30 40	50	60	70	60	90	100
99.5		NATIONAL	+ + + + *******************************		*******	*******	*****	*******	******	11
97.2	-1.3	REGION Southeast	*****************		********	*******	*****	• • • • • • •		
98.6	0.1	West	***************	**********	********	*******	*******		******	****!
99.6	1.1*	Central			********	*****	*******		*******	****
99.2	-0.3	Wortheast	***************	1 2 2 2 2 2 2 7 2 2 2 2	. 4 4 4 4 4 8 4 7 8	****	******	• • • • • • • • • • • • • • • • • • • •	******	
		SEX							******	11
98.3	-0.2	Hale	*************************			*******			*****	****
98.7	0.2	Pemale								11
		COLOR								11
96.3	-2.2*	Black	***************					******	*******	****
98.9	0.3•	White PARENTAL EDUCATION								; i ; i
96.5	-1.7	No High School	****************	**********	********	*******	*******	******	*******	!!
97.6	-0.9	Some High School	*************	**********	*********	*******	******	• • • • • • • •	*******	****
98.1	-0.4	Graduated High Sch.	***************	**********	*********	*******	******	*******		****11
99.7	1.20	Post High School	*****************	*********	*********	*******		******		
98.6		NATIONAL (1715 ONLY)	***************	**********	*********	*******	*******	******	*******	
		SIZE-AND-TYPE OF CONDUITY	***********							11
98.5	-0.1	Extreme Inner City	****	*******						
98.4	-0.2	Extreme Rural		***********			 ** *****	*****	*******	****
98.2	-0.4	Small City	******************			*******	******		*****	****
97.9	-0.7	Medium City				******	*******		*******	****
98.4	-0.1	Rest Of Big City Suburban Fringe	*****	**********	********	******	*******	******	******	****
99.3 99.6	0.8 1.1•	Extreme Aff Suburb	***************	**********	********	*******		*****		*****
99.0	1.1*	DATEME HIT SUBIL								

D. Centerville is farther west than Pope.

O True

False

O I don't knew.

\$06 06 6/1 02#X21#0#3 200300V0

9 13 17

S OF	GROUP EFFECT	VAPIABLE GPOUP					PERCE	TAGE OF	SUCCESS				
5577553	FILECT	INCINCE	0	10	20	30	40	50	60	70	80	90	100
94.9		MATIONAL	****	•••••	•••••	•••••	••••••	••••••	•••••	·	*****		•
		REGION											1 1
89.8	-5.1*	Southeast	****	******	*****	******	• • • • • • • •	*******	*******	*******	*******	*****	1 1
94.3	-0.5	West	****	••••••	*******	******	• • • • • • • • •	*******	*******	*******	******	******	•1 1
97.5	2.6	Central	****	******	*******	******	*******	••••••	*******	******	*****	******	**** 1
95.2	1.3	Northeast	****	******	••••••	******	*******	*******	*******	********	*******		• • •
		<u>sex</u>											1 1
94.8	-0.1	Male	****	******	*****			******	*******	******	******	******	•• i
95.0	0.1	Female	****	******	*******	******	*******	••••••	*******	*******	******	******	•• •
		COLOR											i i
97.2	-7.7*	Black	****	******	*******	******	*******	*******	*******				1 1
95.9	1.00	White	****	******	******	******	*******	••••••	******	******	•••••	•••••	•••
89.0	-5.9*	PARRETAL SDUCATION											!!
94.0	-0.9	No High School Some High School	****										.! !
95.5	0.6	Graduated High Sch.	****										-!!
97.0	2.1*	Post Nigh School											** !
		•	••••										-4 1
95.1		WATIONAL (1718 ONLY)	****	******	•••••	******	******	********	*******	*******	******	******	• 1
		SIZE-AND-TIPE OF COMMUNITY											1 1
91.1	-3.9	Extreme Inner City		******	******	******		******	******				1 1
96.7	1.6	Extreme Rural	****	*****	******	******	*******	******	******			******	•••
93.9	-1.1	Small City	****	******	******	******	******	*******		******	*******		.i i
93.3	-1.8	Medium City	***	******	*******	******	*******	******	*******	*******	******	****	
97.2	2.2	Rest Of Big City	****	******	******	******	*******	******	******	******	******	******	
95.9	0.8	Suburban Fringe	****	******	*******	******	*******	*******	*******	******	*******	******	••• i
98.7	3.60	Extreme Aff Suburb	****	******	******	******	*******	*******	******	******	******	******	



E. Highway 20 runs on the south side of Rice River.

O True

False

O I don't know.

S06 06 7/1 02\*X214053 R00300V0

9 13 17

5 OF	G300 P					PERCEN	TAGE OF	SUCCESS				
SUCCESS	BERECT	VARIABLE GPOUP	0 10	30	30	40	50	60	70	80	90	100
85.5		MATIONAL	******		•••••	•••••	*****	•••••	******	•••••	•	
											1	i
		REGION					******	*******	******	***	!	1
77.7	-7.8*	Southeast West	*********	*******		*******	******	*******	******	*******	i	ì
94.3 89.3	-1.2 3.8*	Central	*******	*******	*******		******	*******	******	******	****	(
		Northeast	********	******		*******	*******	*******	******	*******	***	
88.0	2.5*	NOTTHEAST									į	į
		SEX									1	į
87.1	1.64	Male	**. *******	*******	******	*******	******	*******	*****	******	90-	
83.9	-1.6*	Female	********	*******	*******	• • • • • • • • •	*******	*******	*******	*******		
											•	1
		COLOR									1	
54.9	-30.6*	Black	**********									
89.5	4.0*	White	*********		*******	•••••				••••	i	
		PARENTAL EDUCATION									1	
70.0	-15.3*	No High School	********	********	*******		******	******	*****		ì	
70.2		Some High School	********	*******	*******	*******	******	*******	*******	***	i	
79.0 98.3	-7.5* 2.8*	Graduated High Sch.	*******	*******			******	*******	*******	*******	****	
	2.8* 5.0*	Post High School		********			******	*******	*******	*******	****	
90.5	5.0*	rost High School									•	
85.9		NATIONAL (1715 ONLY)	********	*******	******	••••••	******	••••••	*******	*******	**	!
		SIZE-AND-TIPE									į	
		OP_COMMUNITY									:	
78.9	-7.1	Extreme Inner City	*********	*******	******					*****	!	
86.2	0.3	Extreme Eural	********	********							77	
85.8	-0.1	Small City	*********	********	*****	*******					**!	
62.2	-3.7	Medium City	*********	*******	******	*******	******	*******			! .	
87.2	1.3	Rest Of Big City	********	*******	******	*******	******	*******			** **	
88.4	2.5	Suburban Fringe	*********	*******	******	******	*******	*******	*******	*******	****	
		Extreme Aff Suburb	*** ******	*******	*******	•••••	******	******	******	*******	******	
91.8	5.9*	Extreme Aff Suburb	*** ******	*******	*******	*******		*******				

Exercise R214, Subtheme C

The five parts of this question all asked children to answer questions using the map provided. The map reading skills involved included: translating distances on a map into distances between places, determining whether particular routes existed, reading relative distances and determining relative positions.

Exercise R219, Subtheme C

Read the passage and look at the chart, then complete the sentence below it.

This chart shows the number of fatal accidents (broken line) and the number of vehicle miles (solid line) in California, arranged according to the hour of the day.\*

material deleted due to copyright restrictions

Most fatal accidents occurred between

- O la.m. and 2 a.m.
- 2 a.m. and 3 a.m.
- 4 a.m. and 5 a.m.
- O 6 a.m. and 7 a.m.
- O 7 a.m. and 8 a.m.
- O I don't know.

\*Youth at the Wheel, Harold T. Glenn, reprinted by permission of Chas. A. Bennett Co., Inc.

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13 17 A

5 OF	GROUP					PERCEN	TAGE OF	SUCCESS				
SUCCESS	eresci	YARIABLE GROUP	0 10	20	30	40	50	60	70	80	90	100
73.7		NATIONAL	*******		*****	••••••	*****	•••••		•	•	!
		REGION							!			- }
60.4	-13.3	Southeast	********	*******	*******	******	*******	•••••	!	_		. !
75.0	1.3	West	*** ******	********	*******				*******	•		!
80.0	6.3	Central	********	*********		••••••	*******		******	••••		. !
75.9	2.2	Wortheast	********	*******	•••••	•••••	•••••	••••••	!	••		
		SII							i			1
75.9	2.20	Halo	********	••••••	••••••	•••••	******	••••••	*******	••		. !
71.3	-2.4*	Pemale	*********	••••••	••••••	******	••••••	_	!			- !
		COLOR							ļ			!
41.2	-32.5	Black	********	• • • • • • • • • •	••••••	*****						!
78.0	4.3*	White	********	*****	•••••	******			!	•••		·
		PARENTAL EDUCATION							1			
49.9	-23.A*	No High School	*******	*******	*******	*******	•••••					. !
59.2	-14.5*	Some High School	********	*******			••••••	••••				. !
72.0	-1.7	Graduated Migh Sch.	********	*******	••••••	• • • • • • •	••••••		*******		_	. !
85.2	11.5*	Post Righ School	********	•••		*******		••••••	•••••	*******	•	,
74.4		WATIONAL (1715 OWLY)	*********	•••••••	••••••	******	••••••	••••••	*******	1		1
		SIZE-AND-TYPE								1		1
54.3	-20.10	OF COMMUNITY Extreme Inner City	********	*******	••••••	******	••••••	•		i		i
66.1	-0.3	Extreme Rural	********	•••••	••••••	******		*******	•••	i		i
73.6	-0.8	Small City		•••••	••••••		•••••	••••••	******	ı i		1
73.6	-0.B	Hedium City	********	******	*******	******	••••••	******	••••••	ri e		1
78.6	4.1	Rest Of Big City	********	******	*******	******	******	*******		****		i
78.7	4.3	Suburban Fringe	********		******	******	••••••	******		****		1
84.8	10.40	Extreme Aff Suburb	********	••••••	*******	******	******	••••••		******	•	1
4.0										•		

Exercise R219, Subtheme C

This exercise required respondents to find the highest point on a line graph.



Exercise 2020, Subtheme C

Read the Passage and look at the chart, then answer the question which follows it.

This chart shows the number of fatal accidents (broken line) and the number of vehicle miles (solid line) in California. arranged according to the hour of the day.\*

material deleted due to copyright restriction

All but one of the following factual conclusions can be reached from the data presented. Which statement goes beyond the data given in the chart?

- Fewer fatal accidents occur during the day than at night.
- Driving at a time when most people would be sleepy is dangerous.
- Eating a good lunch tends to keep drivers alert to driving hazards.
- Traffic becomes heavier at the end of the working day than at the beginning.
- Just because there are few vehicles on the road is no reason to relax one's safety precautions.
- O I don't know.

\*Youth at the Wheel, Harold T. Glenn. reprin . by permission of Chas. A. Bennett Co., Inc.

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13 17 A

S OF SUCCESS	GROUP BIFFCI	YARIABLSGROUP	0	10	20	30 +	PERCE!	TAGE OF	SPCCESS	70 •	80	90 +	100
34.9		NATIONAL	****	*****	******	******	••						!
22.2 37.9 37.4 40.6	-12.8* 3.0 2.5 5.7=	<u>REGION</u> Southeast West Central Northeast	****	 	: * * * * * * * * * * * * * * * * * * *	******* ********	 						1
35.0 34.9	0.1	<u>SEX</u> Hale Female	****	******	*******	••••••	! ! • †						! ! !
22.3 37.9	-12.6* 2.0*	<u>COLOR</u> Black White	****	******	*******	•••••	! ! !						† † †
23.1 29.1 36.0 43.1	-11.8* -14.8* 1.1 8.2*	PARENTAL EDUCATION MO High School Some High School Graduated High Sch. Post High School	****	:****** :****** :*****	:******* :***** :*****	••••••	! ! !	•					; ; ; ;
35.4		MATIONAL (1715 ONLY)	****	******	*******	*******	**						1
23.9 27.4 31.4 35.7 41.3 37.3 50.9	-11.5* -8.1* -4.0 0.3 5.9 1.9 15.4*	SIZE-AND-TIPE OF COMBURIT Extreme Inner City Extreme Rural Small City Nedium City Rest Of Big City Suburban Fringe Extreme Aff Suburb	****			* **** ****** ****** ******	        -  -	• • • • • • •					

Exercise R220, Subtheme C

The respondents were asked to determine which alternative was unrelated to the chart.

Exercise R226, Subtheme D

Look at the following report card. What period of time do these grades cover:

ST	INES, #ICHARD UDENYNAME		1004074473 10 0015 STUDANT NUMBER GAAM HOME TOOM REPORT CARD PERIOD (1004) 11/15/44											
	I'LLARD HIGH KHOOL NAME	·			140	- <u>(494</u>		-"	/15/4	•	_	P400-140		TO INTERPRET MARKE
	•	1-		=	=		=	=	_	=		Ξ	=	******
01 02 03 03 04 05 06	SPAN 587-08 LIFE SCI 14T CHG 3 4 83TS PE 10 SCYCUM EVENTS ALG 18 28	A 3	5										61500 61480 C0150 F0150 51150 M1250	IUCREP MARCETT 3 SWITH CAT RAB'NSVIT' ROMBS

JTHES. RICHARD	1000078073 STUDENT HUMBER	GPA THIS PERIOD 2 AC GPA THIS REMESTER	TO THE PARKITS OF  JENES, SICHARD  727 MEMLET ST  SANTA RUSA CO 99004
		LEGEN	D
SCHOL	ASTIC MARKS		TIZENBHIP COMMENTS CODE
A 90	TSTANDING		STUBERT DOING EXCELLENT WORK
8 60	00	•	STUBBLIT & PROGRESSING SATISFACTORILY
C SA1	MFACTORT	,	STUBERT IS IMPROVING IN THIS COURSE
D said	MALIA ACHIEVEMENT	,	STUBBLIT ACHIEVING SELOW AFTAREST ABILITY
F FAI	LIME		BOOKS OR MATERIALS NOT BROUGHT TO CLASS
1 140	DMPLETE	1	ARRIGHMENTS ARE NOT COMPLETED REGULARLY
100 W	MARK	•	POOR ATTERBANCE IS AFFECTING SCHOOL WORK
CA CH	Det .	,	STUDY HABITS INFER IMPROVING
<b>₩</b> 411	нояли развиц		BEHAVIOR REESE REPROVING
44° 141	HDMAN FAILING	•	PLEASE CONTACT TEACHER THROUGH COURSELON
P PAI			

■ The first reporting pe.iod

The second reporting period

O The entire semester

The entire year

O I don't know.

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13 17

F OF	GROUP						PERCEN	TAGE OF	SUCCESS				
SUCCESS	eppect	YARIABLE GPOUP	0	10	20	30	40	50	60	70	80	90	100
91.5		WATIOWAL	****	· · · · · · · · ·	•••••	••••	•••••	•••••	•••••	•••••	•••••		į
		REGION										1	!
84.6	-6.9*	Southeast	••••	*****	•••••	•••••	••••	••••••	*******	******	•••••	•• 1	
89.9	-1.6	West	••••	• • • • • • • •	••••••	•••••	••••••	••••••	••••••	• • • • • • • •	•••••	•••••	
95.0	3.50	Central	••••	• • • • • • • • •	•••••	••••••	•••••	••••••	••••••	•••••	•••••	••••••	•••
94.5	3.00	Fortheast	••••	•••••	•••••	••••••	••••••	••••••	••••••	•••••	•••••	1	;
		SEX										1	- 1
90.9	-0.6	Hale	••••	• • • • • • • •	•••••	******		••••••	•••••••	•••••	••••••	•••••	1
92.1	0.6	Pemale	••••	•••••	•••••	••••••	••••••	••••••	••••••	•••••	••••••	••••••• 1	•
		COTOR										1	- 1
81.6	-9.90	Black	••••		•••••	*****	*******	••••••	••••••	•••••	•••••	1	- 1
93.0	1.5*	White	••••	•••••	•••••	•••••	••••••	••••••	••••••	••••••	••••••	••••••• 1	•
		PARENTAL EDUCATION										!	-
82.3	-9.20	Wo High School	••••	•••••	•••••	•••••	••••••	*******	••••••	•••••	•••••	1	- 1
85.5	-6.0	Some High School	••••	•••••	•••••	••••••	••••••	••••••	••••••	•••••	••••••	• 1	- 1
92.2	0.7	Graduated High Sch.	••••	••••••	•••••	•••••	••••••	••••••	••••••	•••••	•••••		• 1
95.2	3.70	Post High School	****	• • • • • • •	•••••	••••••	••••••	••••••	••••••	••••••	******	•••••	••• 1
91.9		WATIONAL (1715 ONLY)	4000	••••••	••••••	•••••	••••••	••••••	••••••	•••••	•••••	•••••	1 !
		SIZE-APD-TYPE OF CONNUPITY											1 1
84.7	-7.3	Extreme Inner City	••••	• • • • • • • •		••••••		•••••	******	•••••		• •	i i
90.	-1.5	Extreme Sural	••••										i i
90.5	-1.4	Small City	••••		••••••	******	••••••	•••••	••••••	•••••	••••••	•••••	i i
92.1	0.2	Medium City	••••		•••••	•••••		••••••	••••••	••••••	••••••	•••••	ė i
94.8	2.9	Rest Of Big City	••••	•••••	••••••	••••••	••••••	••••••	••••••	••••	••••••	•••••	••• i
93.9	2.0	Suburban Fringe	••••	•••••	••••••	•••••	••••••	••••••	••••••	••••••	••••••	•••••	•• i
95.1	3.20	Extreme Aff Suburb	••••	••••••	•••••	•••••	••••••	••••••	••••••	••••••	******	•••••	••• j
,,,,,													•

Exercise R226, Subtheme D

This exercise required the respondent to locate the phrase containing the words "period" and "time" and note the numbers associated with them.

Exercise R227, Subtheme D

Look at the following report card. This student is improving his work in which subject area?

\$1	MES. SICHARD WEENT MADE					REF	GE	L CAI		991 66		
	FILLARD WISH	_		_ •	***	P (MPM)	. 11	/13/4	<u>.                                    </u>	_		TO HETERPRET MARK
-1	<del></del>	┪		==	_	=	=	☲	=		 =	M( 8510m
91 67 63 63 74 75	SPAN SB/GB LIFE SC1 INI "NG 3 A B3YS PE 10 SE/CUM EVENTS ALG 18 28	4 B & C C C	,								\$1900 \$1400 \$0158 \$7039 \$1158 #1298	POCKER OMBCOTT 0 Smith Cask Ragimsuff Ragimsuff Ragimsuff
1					L							

JYMES. RICHARD STUBBAT GAME	CPA THE STUDENT NUMBER	10 THE PRINSTS OF SPERIOR 2 00 JAMES - RICHARD HARSTAN 722 MEMEE'S ST SANTA 8050 CA 05400A
	LE	GEND
SCHOLA	STIC MARKS	COTPENSION COMMENTS CODE
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13 17 A

FnglishForeign landuage

O Science

O Mathematics

O I don't know.

5 OF	GE 70 P						PERCEN	TAGE OF	SUCCESS				
SUCCESS	efreci	YARIABLE GROUP	0	10	20	30	40	50	60	70	80	90	100
80.0		wa tion al	••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	••••	•	i
		REGION									1		1
67.1	-12.9*	Southeast	****		*******	• • • • • • • •	*******	*******	••••••	••••	1		- 1
80.6	0.6	Heat	••••	• • • • • • • •	*******	••••••	••••••	*******	*****	••••••	*****		- 1
84.9	4.9*	Central	****		*******	••••••	*******	*******	******	********	*****	•	- 1
43.6	3.6•	Fortheast	••••	••••••	*******	••••••	••••••	••••••	******	••••••	•••• <del>•</del> •••		1
		SEX									1		1
76.0	-4.0*	₩a;e	****		*******	••••••	*******	*******	******	*******	••		1
63.5	3.5*	Yemala	***	••••••	••••••	•••••	••••••	•••••	••••••	••••••	1		- 1
		COLOR									1		- 1
53.1	-26.9	Black			*******	••••••	******	••••••	1		- 1		- 1
83.6	3.6•	White	••••	••••••	••••••	••••••	••••••	••••••	••••••		1		!
		PARESTAL ZDUCATION									-		
52.6	-27.40	Wo Wigh School	****	•••••	******	••••••		•••••			1		1
73.9	-6.1*	Some High School		•••••	*******	••••••	••••••	*******	••••••	••••••	•		
91.1	1. 1	Graduated High Sch.	••••		*******	••••••	*******	••••••	******	********	*****		- 1
37.4	7.40	Post Nigh School	••••	•••••	********	•••••	*******	••••••	••••••	••••••	*****	•••	1
80.4	***	WATIOWAL (1715 OWLY)	••••	••••	*******	••••••	******	•••••	••••••	••••••	•••••		1
		SIZE-AND-TYPE OF COMBUNITY									İ		1
69.4	-10.90	Extreme Inner City	****	******	••••••	******		******	******	*****	i		i
61.3	-19.00	Extreme Reral		••••••	*******	••••••	•••••	*******	*****		i		i
79.4	-0.9	Small City	****	• • • • • • • •	*******	••••••	*******	*******	•••••	*******	****		i
81.9	1.5	Hedium City	****	******	********	••••••	*******	*******	******	*******	****		i
85.4	5.0	Rest Of Big City	****	••••••	******	••••••	•••••	*******	******	*******	*****	•	- 1
86.8	6.50	Suberban Pringe	****		••••••							•	1
84.8	4.4	Extreme Aff Suburb	****	••••••	••••••	••••••	••••••	••••••	••••••	••••••	*******	•	- 1

Exercise R227, Subtheme D

This exercise required the respondent to look up a code in the legend provided at the bottom of the report card.



Exercise R228, Subtheme D

Look at the following report card. In which class does this student appear to have a problem?

\$1	INES, #ICHARD UDENT NAME			STUD	ENT I	REF		₹T	CAI	RD	001 M			TO WITEHPRET MARK
1	DOOL HAM	_	- *		Ľ		•		-	$\overline{}$				BET BELOW
	400 FE 14 5		*****	=	-	===	13	-	ij	įį	T	[]	11	1045044
01 02 03 04 05 04	SPAN SBIAB LIFE SCI INT ENG 3 A BOYS PC 10 SEICUA EVENTS ALG 18 78	4	5										81560 81480 E0150 P7030 51150 H1250	ZUCREA MANCOTT B SHITH CAPA AGE:MZVITZ AGE:MZVITZ AGERS

JONES - RECHARD STUDENT NAME	1004078423 STUDENT NUMBER	TO THE PARENTS OF  GRA THE STRACO 2.50 JBMCS. A SCHARP  GRA THE STRACO 7.50 JBMCS. T ST  GRATA 4554 CA 9549a
		LEGEND
SCH	DLASTIC MARKS	CITIZENSHIP COMMENTS CODE
•	OUTSTANDING 0000 BATISFACTORY	O STUBENT DOWNS RECELLENT WORK  1 STUDENT & PROGRESSING SATERACTORILY  2 STUBENT IS INSPROVING IN THIS COURSE
F .	MMMMUM ACHIEVEMENT FAILING INCOMPLETE	3 STUDENT ACHIEVENES BELOW APPARENT ARKITY 4 BOOKS ON MATERIALS NOT ROUGHT TO CLASS 5 ASSIGNMENTS ARE NOT COMPLETED REQUILARLY 8 PODE ATTERDANCE IS AFFECTIVE SCHOOL WORK
CA	NO MARK CREDIT WITHDRAW PAZDING WITHDRAW FAILING	7 STUDY HAS TO THE BURNOUNG 8 SENAVOR RECORD INFOUND 9 P. ASE CONTACT TEACHER MIROUGH COUNSELOR
	PASSING	

502 12 3/1 01\*x228013 R00300¥0

13 17

AlgebraEnglish

O Science

O I don't know.

O Physical Education

% OP	GROUP						PERCEN	TAGE OF	SUCCESS				
SUCCESS	eresci	YARIABLE GROUP	0	10	20	30	40	50	60	70	80	90	100
90.5		WATIONAL	••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••		į
43.9	-6.6*	REGION Southeast	****	•••••	••••••	•••••	******	•••••	******	******	•••••	.	
¥0.0	-0.5	Vest	****	******	*******	******	******	******	******	•••••	******	*****	1
93.3	2.8*	Central	****	******	*******	*****	*****	******	******	******	******	, • • • • • • • • • • • • • • • • • • •	• !
92.9	2.3	Northeast	****	••••••	*******	******	****	*******	*******	******	••••••	!	
		SEX Hale	****			•••					*****		i
88.5	-2.0+ 2.0+	Pemale	****					******				*****	i
92.6	2.0*	remate	****	•••••									į
		COLOR									•	į	į
73.4	- 17. 10	Black	****										- 1
92.7	2.20	white	••••										į
85.0	-5.50	PARENTAL EDUCATION NO High School	••••	•••••	•••••	•••••		••••••	••••••	••••••	*****	••	İ
85.9	-4.6*	Some High School	****	******	*******	******	*****	*******	*****	******	******	*** j	1
91.7	1.2	Graduated High Sch.		******	•••••	******	******	******	*******	*******	******	*****	!
94.1	3.6*	Post High School	****		••••••								• 1
90.8		WATIONAL (17IS ONLY)	••••	••••••	••••••	******	••••••	******	*******	******	******	1	- 1
		SIZE-AND-TYPE OF CONNUNITY										1	- 1
85.1	-5.7	Extreme Inner City	****	••••••	******		******	******	******	******	******	•• j	i
91.5	0.7	Extreme Rural	****	*****	••••••	******	******	******	******	******	******	******	į.
99.2	-2.6*	Small City	****	• • • • • • •	******	******	•••••	•••••••	******	******	******	•••••	
91.7	0.9	Hedium City	****	*****	•••••	******						******	!
89.1	-1.7	Rest Of Big City	****									!	. !
94.4	3.50	Suburban fringe	****				,,,,,,,,,,						: !
93.6	2.8	Extreme Aff Suburb						<del></del> -					- 1

Exercise R228, Subtheme D

A respondent answered this question acceptably if he understood that "assignments not completed regularly" is a problem.



Exercise R231, Subtheme D

Look at the following report card. According to the report card, in what subject area did the student do BEST?

\$1	INES, RICHARD CUDENT NAME					REF	<b>.</b> 01	₹Ť	CAI	RĐ	OOL MAKE RO			
	CHOOL HAME	_	. 700		5 A 10	C ENDM		-11	115/6			-		TO INTERPRET MAPE
		1		===		(a)		-			-	(MP-1)	==	114440
01 02 03 03 04 05 06	SPAN DB/AB LIFE SCI LYE EVG 7 A BOTS PE 30 SE/CUM EVENTS ALG 18 28	4 6 4 0 0 0	5										61940 81480 E0150 P7030 97030 51150 M1750	ZUCKER MARCETY B SMITH CAPE RABINOVITZ RÉMRS

TONES - RICHARD	100A0ZB4Z3 STUDENY MJAMBER	OPA THIS MEMESTER 2 SO JAMES , RICHARD TO PARTHE SUMESTER 127 MEMLEY ST SANTA ROSA CA 1540A	
		LEGEND	
9CH	LASTIC MARKS	CITIZEMENTP COMMENTS CODE	
	NITSTANDING	O STUDENT DOING *BCELLENT WORK	
• •		1 STUDENT IS PROGRESSING SATISFACTORILY	
t i	ATISFACTORY	2 STUBERT IS MITROVING IN THIS COURSE	
0 (	NAME OF THE REPORT	3 STUDENT ACHIEVING BELOW APPARENT ABILIT	٧
	AILING	4 SOOKS OR MATERIALS NOT BROUGHT TO CLAS	•
+ +	COMPLEYE	S ASSIGNMENTS ARE NOT COMPLETED REGULAR	LV
144 1	OMARK	8 POOR ATTENDANCE IS AFFECTING SCHOOL WO	P.
CR (	RECHT	7 STUDY HABITS HEED HAPROVING	
•	THORAS PASSING	8 BEHAVIOR REEDS HIPROVING	
wr y	THOR IN FAIL ING	8 PLEASE CONTACT "EACHER THROUGH COUNSE	LOR
	ASSANG		

O English

Foreign language

O Mathematics

O Science

O I don't know.

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13 17

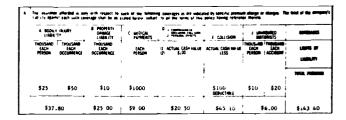
S OF	G P OU P						PFRCFN	TAGE OF	SUCCESS				
SUCCESS	eliesi	YARIABLE GROUP		10	20	30	40	50	60	70	80	90	100
93.8		WATIONAL	*			•		•	•	·····			. *
73.0		WALLOWAL	****						*****	********	******	******	•
		REGION											1 1
92.3	-1.6	Southeast		•••••	*******	******	******	******	******	******	******	*****	i i
94.5	0.7	West		******	*******	****	******	******	*******	******	******	******	•• i
94.8	1.0	Central		•••••	*******	******	*******	******	******	******	******	******	•• i
93.1	-0.5	Northeast	****	• • • • • • •	•••••	*******	******	******	******	******	******	******	† i
		SZX											i i
91.7	-2.1*	Male	****			******	*******	******		******	*****		!!
95.7	1.8*	Pemale		******	*******		*******		******	*****	*******		
05 3		20108											! !
85.2 94.9	-8.6* 1.0*	Black		******	*******	*******	*******	******	******	*****	******	•	1 1
94.9	1.00	White	****	******	*******	*****	******	*******	******	******	•••••	*****	†* !
		PARENTAL EDUCATION											
92.5	-1.4	No High School	****	*****	*******	******	*******	*******	******	******	* * * * * * * *	******	: :
89.9	-4.0	Some High School	****	******	*******	******	******	*******	*******	*******	•••••	****	ii
93.5	-0.3	Graduated High Sch.	****	******	*******	******	******	******	******	******	• • • • • • • •	*****	i i
96.6	2.8*	Post High School	****	••••••	•••••	******	******	******	******	•••••	••••••	******	<del>i</del> ** i
94.5		NATIONAL (1715 ONLY)	****	•••••	•••••	•••••	*****	•••••	••••••	******	• • • • • • • •	•••••	•• 1
		SIZE-AND-TIPE											1 1
92.5	-2.0	OP COMMUNITY Extreme Inner City					****						1 1
90.7	-3.8	Extreme inner City									******	******	1 1
93.6	-0.9	Small City	****		*******	******	*******				** *****	*****	. !
94.4	0.3	Medium City	****		******	******	*******			*******		*****	<u> </u>
97.3	2.8*	Rest Of Big City	****			*****	*****	******	*****		,,,,,,,,,		T. !
95.6	1.1	Suburban Pringe	*****	******	*******	******	******	******	******		· · · · · · · · · ·	*******	7
96.0	1.5	Ertreme Aff Suburb	****	******			******	******	*******				77. !
,		myerame wir andard											***

Exercise R231, Subtheme D

To respond acceptably, a respondent would have to know that an "A" is the best possible grade and "Spanish" is a foreign language.

Exercise P236, Subtheme D

Below is an excerpt from an automobile insurance policy. Look at it carefully and then answer the questions which follow it.



A. What is the maximum amount for which this policy covers  $% \left( 1\right) =\left\{ 1\right\}$ 

medical bills?

- \$ 1,000
- O \$ 5,000
- O '10,000
- O \$25,000
- O I don't know.

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13 17 A

% of	G30UP					PERCEN	TAGE OF	SUCCESS				
\$0CC\$\$\$	Presi	YARIABLE GROUP	0 10	20	30	40	50	60	70	80	90	100
88.0		NATIONAL	*	•••••	•••••	•	•••••	*	•••••	•••••	• •	1
86.4 88.1 88.7	-1.6 0.1 0.7	REGION Southeast West Central	*********				*******		*******	********		!
87.8 87.2	-0.2 0.2	Northeast  SEI  Hale Female	*********		••••••		••••••		*******	*******	1	
77.7 89.4	-10.3* 1.3*	COLOR Black white	********			*******	******	••••••	••••••	***	1	; ; ; ;
80.9 86.7 89.6 90.0	-7.1+ -1.3 1.8 2.0+	PARENTAL ZDUCATION  No Nigh School  Some Nigh School  Graduated Nigh Sch.  Post Nigh School	*********				*******		••••••	**************************************	1	1 1
88.2		MATIONAL (1715 ONLY)	*******	••••••	•••••	••••••	•••••	••••••	••••••	••••	***	!
79.8 89.5 91.6 86.2 86.1 86.9	-8.4* 1.4 3.4* -1.9 -2.0 -1.3 2.4	SIZE-AED-TYPE OF CORNULATI Extreme Inner City Extreme Eural Small City Rest Of Big City Suburhan Fringe Extreme Aff Suburb							******** ******** ******** *******			

B. What is the maximum amount this policy would pay in case you injured another person in an automobile accident?

O \$ 25

O \$ 1,000

O \$ 5,000

\$25,000

O I don't know.

# 504 09 4/1 04\*X236020 810300V0

13 17 A

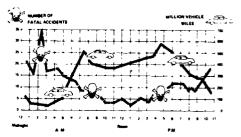
\$ 07	GROUP	YARIABLE GPOUP					PERCEN	TAGE OF	SUCCESS				
Success	eyeest	TRAINERS	0	10	20	30	40	50	60	70	80	90	100
			*	•	*	•	•	•	•	•	•	•	•
19.2		WATIONAL	****										j
		REGION											- 1
14.5	-4.70	Southeast	****	******	**								- 1
16.8 25.5	-2.3 6.3*	West Centril	****	******	*****	•							i
17.7	-1.5	Northeast	****	******	****								i
,					į								į
		SEX			1								i
22.1	2.9*	Hale	****	******	*****								- 1
16.0	- 3. 20	Pemale	****	******	***								- !
					į								į
		COTOS		****	1								- 1
9.8 20.6	-9. <b>4*</b> 1. 4*	Slack White		*****	*****								- 1
20.6	1. 4*	#8176	••••		1								į
		PARENTAL EDUCATION			1								- 1
13.4	-5.8*	No High School	****	******	• i								i
14.9	-4.3	Some High School	****	******	•• j								1
18.6	-0.6	Graduated Migh Sch.	****	******	****								
22.9	3.70	Post High School	****	******	****								1
18.9		MATICUAL (1715 ONLY)	****	•••••	****								1
		SIZE-AND-TIPE OF COMMUNITY			į								!
9.3	-9.6*	Extreme Inner City		400	i								•
17.7	-1.2	Extreme Recal	.= .	*****	****								1
20.2	1.3	Small City	****	******	*****								•
21.8	2.9	Hedium City	****	******	*****								!
13.2	-5.7*	Rest Of Big City	****	*****	• !								!
17.5	-1.4	Suburban Fringe											
23.0	4.1.	Extreme Aff Suburt			*****								1

Exercise R236, Subtheme D

The acceptable response could be located by locating the only column in the table containing the word "medical" or by knowing that medical payments cover medical bills.

Exercise R238, Subtheme C

This chart shows the number of fatal accidents (broken line) and the number of vehicle miles (solid line) in California, arranged according to the hour of the day.\* Look at the chart, then answer the question below it.



Given the information that California bars close at 2 a.m., what may one conclude from the graph?

- Many drivers who drink are on the road from 2 to 3 a.m.
- $\begin{picture}(60,0)\put(0,0){\line(0,0){10}}\put(0,0){\line(0,0){10}$
- There is little relation between drinking and traffic deaths.
- $\begin{picture}(2000)(0,0) \put(0,0){\line(0,0){10}} \pu$
- While drunk driving may be related to auto deaths, the information given is inconclusive.
- O I don't know.

\*Youth at the Wheel, Harold T. Glenn, reprinted by permission of Chas. A. Bennett Co., Inc.

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17

T OF SUCCESS	GROUP EPPECT	VARIABLE GROUP			PERCES	TAGE OF	SUCCESS				
				20 30	40	50	60	70	80	90	100
27.1		NATIONAL	*************	•••••••	•	•	•	•	•	•	1
		REGION		j							- 1
26.4	-0.7	Southeast	**********	*****							- 1
26.3	-0.8	Vest	**********	******							- !
23.5	-3.5*	Central	***********								- 1
32.0	4.9*	Northeast	***********	**********							. !
				i							- 1
			,	•							i
26.4	-0.6	SEX		1							i
27.7	0.7	Hala	***********	••••••							i
27.7	U. /	Female	***********	••••••							i
				i							- !
22.5	- 4 -	COTOS	_	1							i
27.9	-4.6	Black	***********	••••							- 1
21.0	0.8	White	**********	******							i
				1							!
		PARENTAL EDUCATION		i							
24.0	-3.1	No High School	***********	**** j							- 1
19.6	-7.40	Some Migh School	**********	· i							
25.4	-1.7	Graduated High Sch.	*********	•••••							. !
31.4 .	4.3*	Post High School	***********	*******							- 1
27.5		WATIONAL (1715 ONLY)	***********	*****							ŧ
		SIZE-AND-TYPE		;							1
25.8		OF COUNTRIES		1							i
20.8	-1.8	Extreme Inner City	**********	******							- :
	-6.7	Extreme Rural	***********	**							- 1
25. 1	-2.4	Small City	***********	*****							i
28.4	0.9	Hedium City	************	******							i
26.5	-1.0	Rest Of Big City	***********	*****							- :
27.5 36.3	0.0 8.8•	Seburban Fringe	************	******							- !
		Extreme Aff Suburb									

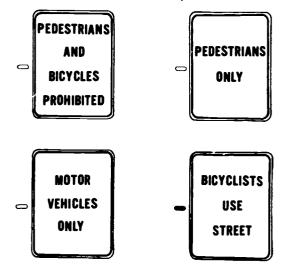


Exercise R238, Subtheme C

The right answer required that the respondent determine that the first four alternatives were unrelated to the graph.

Fxercise P239, Subtheme B

Which sign shows where walking is permitted?



- I don't know

\$05 02 3/1 03\*4239011 R10000V0

17 A

% OF SUCCESS	GROUP FREECI	VARIABLE GROUP					PERCEN	ITAGE OF	SUCCESS				
535553		123783767	0	10	20	30	40	50	60	70	80	90	100
97.8		NATIONAT	****	*****	•	*****	* * * * * * * * *	*	•••••	•••••	*****	*****	••••
		REGION											ij
97.1	-2.7	Southeast	****	*******	*******	*******	******	*******	*******	*******	******	******	****
97.8 98.7	0.9 0.9≉	Vest	****	******	*****	******	******	******	*******	*******	*******	******	**** !
97.3	-0.5	Central Northeast	****	*******	********	*******	*******	*******	*******	••••••	******	******	••••
		SEX											
97.7	-0.1	Male	***	*******	*******	******	• * * * * * * *		*******	******	*******	******	****
97.9	0.1	Pemale	****	******	*****	*******	* * * * * * * *	*******	*******	******	*******	******	••••
		CQ128											- ! !
95.0	-2.e=	Black	****	******	*******	*******	******	******	*******		******	******	•• ` ;
78.1	0.3*	White	****	*******	******	******	••••••	******	******	••••••	******	******	•••••
		PARENTAL EDUCATION											!!
95.9	-1.8	No High School	****		******								!!
96.9	-0.9	Some High School	****		******	*******							****
97.2	-0.6	Graduated High Sch.	****	*******	******	*******	*****	******	*******	******	******	******	****
99.2	1, 4*	Post High School	****	*****	*****	*******	••••••	•••••	******	******	•••••	******	••••
98.1		WATTOWAL (1715 ONLY)	****	•••••	*******	******	******	******	•••••	******	••••••	******	••••
		SIZE-AND-TYPE OF COMBUNITY											
94.9	-3.2	Extreme Inner City	****	******	******		******		*******	******	******	******	•• i i
96.6	-1.5	Extreme Rural	****	******	*******	*******	******	*****	*******	******	*******	******	•••i i
98.2	0.1	Small City	****	******	******	******	*******	*******		*****	******	*****	*****
99.0	0.9	Hedium City	****	******	******	*******	******	*******	*****	******	******	*****	*****
97.9	-0.2	Rest Of Big City	****	******	******	*******	******	*****	*******	*******	******	*****	***
98. <b>%</b> 99. 3	0.3 1.2*	Suburban Fringe	****	*******	*******	*******		*******	*******		*******	******	*****
79.3	1.2	Extreme Aff Suburb	****	******	*******	******				*******	******	******	4-1

Exercise R239, Subtheme B

This exercise required that the respondent understand the meanings of the words "pedestrians" and "prohibited."

#### CHAPTER 6

## RESULTS FOR YOUNG ADULTS

The young adults described in this chapter ranged in age from 26 through 35 at the time of the Reading assessment: they were born between April 1, 1935, and March 31, 1945. The reporting categories for young adults are identical to those for the other age levels with one exception: size and type of community has been limited to size of community only. National Assessment did not collect type of community data for young adults.

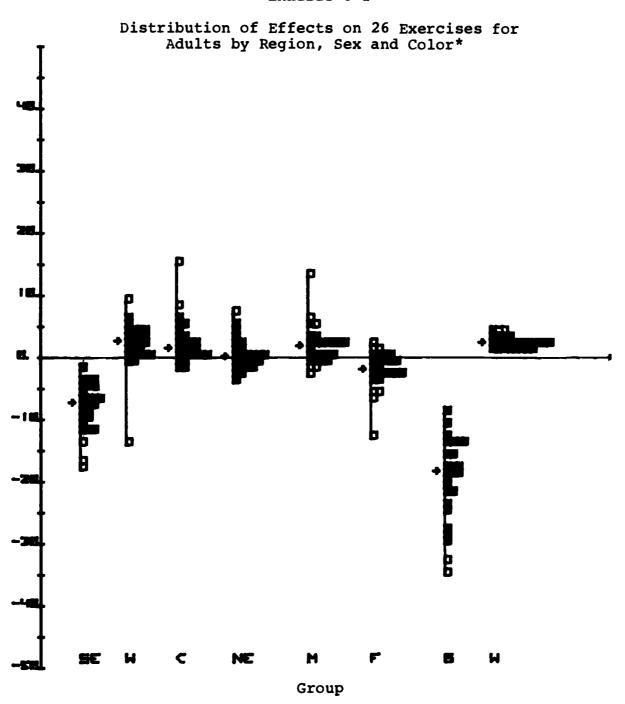
Almost 84% of the young adults responded acceptably to Theme 2 exercises, though the percentages of success varied from subtheme to subtheme. The percentages for each subtheme are shown in Exhibit 6-1.

EXHIBIT 6-1. Percentages of Success for Young Adults on the Subthemes

	Subtheme	Median Percentage of Success	Number of Effects
Ά.	Interpreting drawings and pictures	81.8%	1
в.	Reading signs and labels	84.1	7
c.	Reading charts, maps and graphs	58.7	5
D.	Reading forms	83.8	13
	TOTAL	83.8%	26

The percentage of success for the Northeast did not differ reliably from the national value. However, the Southeast showed a negative characteristic while the Central and Western regions both showed positive tendencies. The Southeast performed less

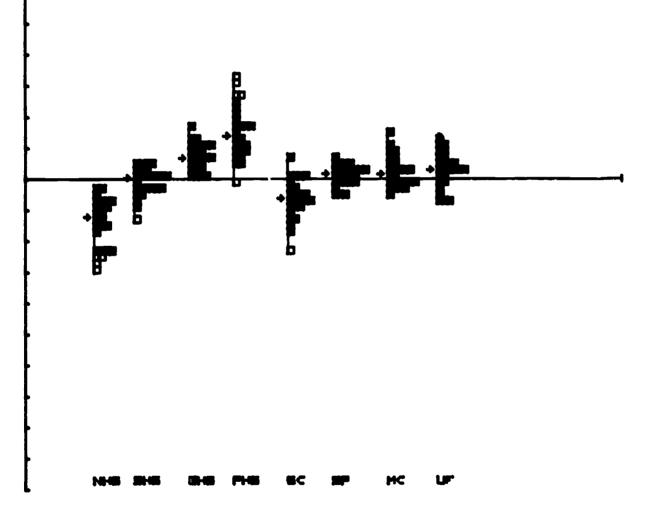
EXHIBIT 6-2



\*Arrows indicate group medians, blackened boxes indicate typical exercises, open boxes indicate atypical exercises. Abbreviations: SE, Southeast; W, West; C, Central; NE, Northeast; M, male; F, female; B, Black; W, White.

EXHIBIT 6-2a

Distribution of Effects on 26 Exercises for Adults by Parental Education and Size of Community\*



## Group

\*Arrows indicate group medians, blackened boxes indicate typical exercises, open boxes indicate atypical exercises. Abbreviations: NHS, no high school; SHS, some high school; GHS, graduated from high school; PHS, post high school; EIC, extreme inner city; ER, extreme rural; SC, small city; MC, medium city; RBC, rest of big city; SF, suburban fringe; EAS, extreme affluent suburb.

well than usual on three exercises (R219 and U224, both from Subtheme C, and R227, Subtheme D) while the West scored better than usual on one of those exercises (R224) and less well on a different exercise, U217, part 2 (Subtheme B). Exceptional exercises for the Northeast and Central regions all showed performances higher than usual for those groups. The Northeast did unusually well on part 3 of Exercise U225 while the Central region performed unusually well on R227 (Subtheme D) and U217, part 2 (Subtheme B).

Men and women did about equally well on Theme 2 exercises. Exceptional exercises for those two groups are shown in Exhibit 6-3.

XHIBIT 6-3. Exceptional Exercises for Young Adult Men and Women

Exercise	Subtheme	Performance on the Men	Identified Exercise Women
U217, part 2	В	Worse than usual	Better than usual
U217, part 3	В	Worse than usual	Better than usual
U232, part 2	В	Worse than usual	Better than usual
R219	С	Better than usual	Worse than usual
R220	С		Worse than usual
U236, part 1	D	Worse than usual	Better than usual
U236, part 2	D	Better than usual	Worse than usual

Black young adults showed a negative characteristic while White ones showed a positive characteristic. Blacks did unusually poorly and Whites unusually well on Subtheme D Exercise R227. Similarly, Blacks performed unusually poorly on Subtheme B Exercise U232, part 1, while Whites did unusually well on Subtheme D Exercise R227.

Young adults in the no high school parental education group showed a negative characteristic. They also performed unusually poorly on Exercises U225, part 2 (Subtheme D) and R219, R220 and U224 (all three from Subtheme C). The some high school group, which performed at a level equal to that for the nation as a whole, had only one exceptional exercise, U217, part 4 (Subtheme B). Two groups had levels of success resulting in positive characteristics: high school graduate and post high school. There were no exceptional exercises for the former group while the latter had five: Subtheme C Exercises U224, R220, R219, all of which had levels of performance that were unusually high; Subtheme D Exercise R227 also had an unusually high prformance level; and U217, a Subtheme B exercise with an unusually low level of success.

Because type of community information was not collected for young adults, results are reported only for size of community groups. There was only one exceptional exercise for any of the size of community groups: U232, part 1. Young adults from big cities performed unusually poorly on that Subtheme B exercise. The big city group, further, was the only one to show a tendency; it showed a negative tendency while all the other groups had percentages of success that did not differ reliably from the value for the nation as a whole.

EXHIBIT 6-4. Median Effects for Each Group on the Subthemes

Group	Sub- theme A	Sub- theme B		Sub- theme D	All Sub- themes
Region	-7 1	-9 6	-8.6	-6.8	-7.2
Southeast West			4.7		2.8
West Central			4.3		
Northeast			-2.3		
NOI Cheast	0	••		•	•
Sex					
Male	1.0				
Female	-1.1	5	-3.7	7	1.9
Color					
Black	-13.0	-21.6	-18.4	-18.0	-18.3
White	1.5	2.6	2.5	2.4	2.5
De colo 1 Divertion					
Parental Education	_5 1	<b>-7</b> 1	-12.6	-5.6	-6.2
No High School			.4	-	.1
Some High School High School Graduate	4 7	3 4	5.4	3.2	3.4
Post High School			13.7		
Post high school	4,0	•••		•••	
Size of Community					
Big City	-1.6	-3.6	4	-3.4	-3.2
Small Places		1.4		1.0	.8
Medium City	-1.5		2.5		
Urban Fringe	4.7	1.4	2.7	1.1	1.5
	•	-	-	1 2	26
Number of Effects	1		5	13	20

The remainder of this chapter is devoted to the exercises administered to young adults. Each exercise is numbered with a

letter and a numeral. The letter (either R or U) indicates whether the text of the exercise has been released or is unreleased. The unreleased exercises are being retained for the next Reading assessment, in 1975-76. These exercises will be used again, and comparisons can be made between the 1969-70 results and the results collected during 1975-76.

The text for released exercises is presented exactly as the exercises were administered during the assessment. The acceptable answer is indicated (by a blackened oval) as is a brief discussion of the exercise itself and how the respondent may have arrived at the acceptable answer.1

Along with the exercise and/or its description, the percentage of success and the effects are presented for all the groups. A histogram is given with the percentage of success for each group represented by a bar. The leftmost vertical line (which cuts across the bar for each group) represents the national percentage of success, and the distance from the end of a group's bar to that line represents the group's effect—the difference between the performance for a group and the performance of the nation as a whole.

Starred effects (marked with an asterisk) indicate effects that differ reliably from zero.

lThough the correct or best answer may have been reached by guessing, guessing is not considered here as a method for reaching the correct answer; the mention of guessing now is sufficient for all the exercises.

RELEASED EXERCISES

127



Exercise R219, Subtheme C

Read the passage and look at the chart, then complete the sentence below it.

This chart shows the number of fatal accidents (broken line) and the number of vehicle miles (solid line) in California, arranged according to the hour of the day.\*

material deleted due to copyright redrictions

Most fatal accidents occurred between

- 1 a.m. and 2 a.m.
- 2 a.m. and 3 a.m.
- 4 a.m. and 5 a.m.
- O 6 a.m. and 7 a.m.
- 7 a.m. and 8 a.m.
- O I don't know.

\*Youth at the Wheel, Harold T. Glenn, reprinted by permission of Chas. A. Bennett Co., Inc.

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۹ ) <del>?</del>	GROUP	FARTANIA GROUD	PFRCENTAGE OF SUCCESS										
5 <b>466\$</b> 5	effect	VARIABLE GROUP	0	10	20	30	40	50	60	70	80	90	100
73,6		NATIOVAL	****	•••••	•••••	•	•••••	••••	•••••	••••••	,	•	i
50.5	-17.1=	REGION Southeast	•••				•••••	••••		į			į
78.3	4.7-	Vest	****	*****	*******	******	*******	******	******		****		i
93.7	6.7~	Central			•••••	******	••••••	•••••		******			i
74, 1	0.5	Mortheast	****	•••••	••••••	•••••	•••••••	•••••	••••••	••••••	<b>)</b>		!
		SEL								į			į
79.1	5.50	Male		••••••	••••••	•••••	••••••	•••••	••••••		••••		i
69.3	-5.3*	Pemale	••••	•••••	•••••	••••••	••••••	•••••	•••••	•••• j			į
		COLOR								į			į
45.5	-27.1=	91ack	••••			•••••		••					- 1
77.0	3.4*	White	****	•••	*******	•••••	••••••	•••••	•••••	••••••	•••		į
		PARENTAL SOUCATION								į			į
67.5	-13,1=	Wo High School	••••		• • • • • • • • •	•••••	••••••	•••••	•••••				- 1
69.0	-4.6	Some Migh School	****	••••••	• • • • • • • • • •	••••••	••••••	•••••	•••••	••••			i
79.2	5.60	Gradua•ed High Sch.	****	••••••	• • • • • • • • • •	••••••	•••••••	•••••	•••••	••••••	****		ĺ
99.5	15.9*	Post High School	••••	••••••	•••••	••••	••••••	••••••	••••••	•••••••		••••	
		SIZE_OF_COMMUNITY								į			İ
73.2	-0.4	iq City	****	*****	*******		*******		*******	******	,		i
71.7	-1.9	Small Place	****	******	•••••	******	*******	•••••	*******	•••••• j			i
76.9	3.3	Medium City	•••••	••••••	••••••		•••••••	•••••	•••••	*******	•••		ļ
75.8	2.2	Urban Fringe				• + • • • • •		•••••		••••••	••		1

Exercise R219, Subtheme C

This exercise required respondents to find the highest point on a line graph.

Exercise R220, Subtheme C

Read the passage and look at the chart, then answer the question which follows it.

This chart shows the number of fatal accidents (broken line) and the number of vehicle miles (solid line) in California, arranged according to the hour of the day.\*

material deleted due to copyritht restrictions

All but one of the following factual conclusions can be reached from the data presented. Which statement goes beyond the data given in the chart?

- Fewer fatal accidents occur during the day than at night.
- Driving at a time when most people would be sleepy is dangerous.
- Eating a good lunch tends to keep drivers alert to driving hazards.
- Traffic becomes heavier at the end of the working day than at the beginning.
- Just because there are few vehicles on the road is no reason to relax one's safety precautions.
- O I don't know.

\*Youth at the Wheel, Harold T. Glenn, reprinted by permission of Chas. A. Bennett Co., Inc.

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\$ 92	GROUP		PERCENTAGE OF SUCCESS										
<u>Success</u>	effect	YABIABLE GROUP	0	10	20	30	40	50	60	70	80	90	100
43.2		WATIOWAL	****	•••••	******	••••••	•••••	•	•	•	•	•	į
								!					- 1
		PEGION						i					. !
35.6	-6.54	Southeast	***	• • • • • • •	*******	******	• • •	ŧ					!
44.1	0.9	West	***	••••••	*******	•••••		Ť					!
42.2	-1.0	Central	***		******	******	*******	1					!
47.4	4.2	Northeast	***	*****	******	******	• • • • • • • •	•••					!
								!					i
		SZX						i					
49.4	5.2*	Male	****	••••	******	••••••	• * * * • • • •	••••					
49.4 36.1	-5.0+	7emale	****	•••••	******		****	1					- 1
								!	•				- !
		COLOR						ľ					i
24.7	-18.4*	Black	****		*******	**		i					- 1
45.6	2.5*	White	****		*******			•••					- 1
43.0	2. 3	7.12.00		·				į					!
		PARENTAL EDUCATION						!					i
39.6	-12.6*	No High School	••••	•••••				ì					i i
44.9	1.6	Some High School	****			••••••		••					- 1
43.9	0.7	Graduated High Sch.				•••••	*******	÷					- 1
60.1	16.9*	Post High School	• • • •	••••••	*****		*****						- 1
40.1	10. 7	1031 50001						i					!
								!					- 1
		SIZE OF COMMUNITY						1					i
42.1	-1.0	Big City						<u>,</u>					i
40.6	-2.5	Small Place											i
45.6	2.5	Medium City											i
49.0	4. 6	Urban Fringe						1					•

Exercise R220, Subtheme C

The respondents were asked to determine which alternative was unrelated to the chart.

Exercise R227, Subtheme D

Look at the following report card. This student is improving his work in which subject area?

•	IONES - RICHARD TUDGHT MAME WILLARD HIGH SCHOOL MAME	_		STUD	ent i	REF	20f	₹Ť	CAI	RD	001 201			TO INTERPRET MARKS
1	9,000	1		11	-			-	=		Н	******	-	71.40-00
91 02 03 04 09 94	SPAN SB/OB LIFE SCI INT "NG 3 a BDYS "EL 10 SE/CUM EXENTS ALC LM 28	A B G C C C	3										61580 61680 68150 PT030 51150 m1250	ZUCAEA MARCETT B SMITA COA MABINOTITZ ABHRS

JONES: RECHARD 1009028423 STUDENT NAME STUDENT NAMER	TO THE PARKETS OF OPEN THE PARKETS OF OPEN THE SERVICE TO JOHNES, RICHARD THE SERVICE TO STAND THE SERVICE TO STAND THE SERVICE TO STAND THE SERVICE TO STAND THE SERVICE TO STAND THE SERVICE TO STAND THE SERVICE TO STAND
	LEGEND
SCHOLAST MARKS	CITIZENGUP COMMENTS CODE
A GUTSTANDONG 8 GOOD C SATEPACTORY O MINISTER F PARLING I HOCOMPLETE HO SIGNARE CC (ARDIT WE THORMARE PARLING F PARL	STUDENT DOWNG ENCELLENT WOME  TRUBERT & PROBABILISHES LATER ACTIONLY  TRUBERT & REPROVATED HIT WILL COLUMN  TRUBERT ADMITTHES BELOW APPARENT ABULTY  BOOKS ON BASE TRAILS SHE OR REPOLIET TO LLASS  MINISTRUBERT ADMITTHES AS OF SHE OR REQUIRE TO LLASS  THOSE THE ANALYSIS OF SHE OR REPOLITY OF SHE O

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O English

O Science

Foreign language

Mathematics

O I don't know.

5 OF	G300P					PERCEN	TAGE OF	SUCCESS				
SUCCESS	TREALE	VARIABLE GROUP	0 10	20	30	40	50	60	70	80	90	100
75.9		NATIOVĀL	********	******	••••	•••••	•••••	••••••	•••••	·	•	
59.1 79.1	-16.8- 3.2	RPGION Southeast Jest	*********				*******		********			
84.8 74.7	8.9* -1.1	Central Fortheast	*********	********	•••••••	••••••	•••••		******	• • • • • • • • • • • • • • • • • • •	•	!
79.8 73.2	2.9 -2.7	<u>SEX</u> Male Female	*********		••••••	•••••	********	••••••				1
<b>41.</b> 6 90.6	-34.3° 4.7°	COLOR Black White	******				******	•••••	•••••	•		
64.2 77.6 91.2	-11.7* 1.7 5.3*	PARRETAL EDUCATION NO High School Some High School Graduated High Sch.	**********									
39.1 67.0 77.9 79.2	-0.9= 2.0 3.3	Fost High School  SIZE OF COMMUNITY Big City Small Place Wedium City	0 * * * * * * * * * * * * * * * * * * *				********			1		; ; ;
77.5	1.6	Orban Pringe	*********	******	•••••	••••••	•••••	••••••	******	•••		i

Exercise R227, Subtheme D

This exercise required the respondent to look up a code in the legend provided at the bottom of the report card.



Exercise R236, Subtheme D

Below is an excerpt from an automobile insurance policy. Look at it carefully and then answer the questions which follow it.

A GODAL	T INJURY ITT	9 PROPERTY DAMAGE LIABILITY	C WEDICAL PAYMENTS		E COLLISION	, yang	markes marks	-
THOUSAND EACH PERSON	THOUSAND EACH OCCURRENCE	LYCH OCCAMBING	EACH PERSON	II) ACTUAL CASH WALUE ID \$180	ACTURE CASH WILLIE	PERSON PERSON	PROGRAMS (ACH ACCIDENT	13676. 136611
					İ			1916 118
\$25	\$50	\$10	\$1000		\$100 DEDUCTIONE	\$10	\$20	

- A. What is the maximum amount for which this policy covers medical bills?
  - \$ 1,000
  - O \$ 5,000
  - O \$10,000
  - O \$25,000
  - O I don't know.

406 06 3/1 01\*X236010 010300V0

13 17 A

S OF	GROUP						PPRCEN	TAGE OF	SUCCESS				
SUCCESS	rerei	AVELVBEE - 38005	0	10	20	30	*0	50	60	70 +	80	90	100
90.1		NATIONAL	****	•••••		• • • • • •				*****	*****		
		REGION	****								******	. :	i
83.7 90.5	-6.4* 0.3	Southeast West	****				*****	******		******	******		i
93.6	3.5*	Central	****		******			******		******	*******	*****	
90.5	0.4	Wortheast	****	* * * * * * * *	*******		*******	*******	******	*******	******		!
		SEI											!
89.5	-1.6*	Male	****		*******		*****	*******			*******	*****	. :
91.7	1.6*	Female	****	******	******		******						
		COLOR				<b>.</b>						į	į
76.4	-13,8*	Black	****	******			*******		*******		*******		
91.9	1.8*	White										į	į
		PARENTAL EDUCATION									******	i	į
86.9	-3.3*	Wo High School Some High School	****							******	******	*****	i
90.2 91.8	0.1 1.6	Graduated High Sch.	1100		******		*******	*******	*******	*******	******		, i
91.8	3,7*	Post High School	****	*****	******		********	******	*******	*****	*******	*****	•••
												į	İ
		SIZE OF COMBUNITY Big City	****							******	******	*****	i
90.5 91.3	0.3 1.2	Small Place	****		******		*******			*******	******	******	• i
89.4	-0.7	medium City	****	*****	******		********			*******	******		i
87.3	-2.8	Urban Fringe	****		*******	******	********	******	*******	*******	*******		1
.,.,													

B. What is the maximum amount this policy would pay in case you injured another person in an automobile accident?

O \$ 25

\$ 1,000

**\$ 5,000** 

\$25,000

O I don' . know.

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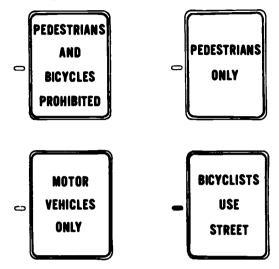
% OF	G°OUP	TIRTINIS COUNT					PERCEN	TAGE OF	SUCCESS				
SUCCESS	efeect	YARIABLE GROUP	0	10	20	30	40	50	60	70	80	90	100
42.5		WATIONAL	•	*	•••••	•		•	•	•	•	•	•
							į						į
		REGION					;						i
36.2 41.7	-6.4 <b>=</b> -0.8	Southeast West	*****	*****	********	******	***						!
42.3	-0.3	Central	****	*****									. !
47.6	5.1	Northeast	*****	*****	*******		*****	• • •					- 1
							i						i
		SEX					- !						- !
56.0	13.5*	Male	*****	*****	*****	******			•••				i
29.6	-12.9*	Female	*****	*****	•••••	****	i						i
							1						1
		COLOR					!						!
21.4	-21.1*	Black	****	*****	******		- :						- 1
45.3	2.7*	White	*****	*****	*******	******	****	•					i
							!						!
		PASSMTAL EDUCATION					1						- !
31.0	-11.5*	No High School	*****	*****	*******	*****	i						i
41.9	-1.6	Some High School	*****	****	*******		******						i
50.6	8.1*	Graduated High Sch.	****	*****	*******	******	********	*****					1
51.4	8.9*	Post High School	*****	*****	*******	******	*******	*****					. !
							- 1						1
		SIZE OF COMMUNITY					i						i
39.7	-2.9	Big City	*****	*****	••••••	*******							
42.6 49.9	0.1	Small Place	*****	*****	********	******	******						1
39.7	7.4 -3.8.	Hedium City Urban Fringe	*****		********								. !
3347	- 2101	neban tringe											

Exercise R236, Subtheme D

The acceptable response could be located by locating the only column in the table containing the word "medical" or by knowing that medical payments cover medical bills.

Exercise R239, Subtheme B

Which sign shows where walking is permitted?



C I don't know.

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17 /

4 or	GROUP						PERCEN	TAGE OF	SUCCESS				
SUCCESS	effect	YARIABLEGROUP	0	10	20	30	40	50	60	70	80	90	100
95.7		MATIONAL	****	*****	******	******	•••••	•••••	******	•••••	•••••	• • • • • • • • • • • • • • • • • • • •	••• i
		REGION											
99.3	-6.4*	Southeast	*****	*****	*******	*******	*******	*******	*******		*******	****	1 1
99.2	2.5*	West	*****	*****	••••••	*******	*******	*******	*******	*******	*******	******	** ***
98.4	2.7*	Central	*****	*****	********	*******	******	******	*******		******	******	** 4 * * 1
94.9	-0.9	Northeast	*****	*****	******	******	*******	*******	******	*******	*******	******	**
		SEX											1 1
96.3	0.6	Male	****	*****		******	******	*******	******		*******		*** i
95.2	-0.5	Female	****			*******	*******	******	*******		******	******	**i i
77.2	0.3	1614516											- 1 1
		<u> </u>											; ;
84.9	-10.8*	Black	****	****		*******	******	******	*******	*****	*******	•	1 1
97.0	1.3*	White	****	*****	******	*******	*******	******	*******	*******	******	******	****
		PARENTAL BOUCATION											1 1
94.2	-1.5	No High School	****						*******	******	******	******	• i i
98.4	2.7*	Some High School	*****	*****	*******		******				*******	******	*****
96.4	0.7	Graduated High Sch.	****	*****	*******		*******	******	*******		*******	******	*** i
97.8	2. 1	Post digh School	*****	*****	*******	******	******	*******	*******		******		•••• i
,,,,		1001											_
		SIZE OF COMBUEITY											
92.1	-3.6	Big City	****	******			*******	*******	********	*****	*******	******	!!
96.5	0.8	Small Place	*****	******	******	*******	*******	*******	*******	*****	*******	******	***
95.2	0.5	Medium City	***	*****		******				*******	******	*****	***
97.1	1.4	Urban Pringe	====	*****		*******							



Exercise R239, Subtheme B

This exercise required that the respondent understand the meanings of the words "pedestrians" and "prohibited."

#### CHAPTER 7

# PERFORMANCE ON EXERCISES OVERLAPPING TWO OR MORE AGE GROUPS

Many of the Theme 2 exercises were administered to people at two or more age levels. These exercises, which are said to <u>rerlap</u> the age levels in question, can be used to show differences in performance between the two groups. In general, the older the group, the higher the percentage of acceptable responses.

Not all overlapping exercises were administered at all ages. Some were given to 9- and 13-year-olds; others were given to three groups, such as 9- through 17-year-olds or 13-year-olds through adults. In Exhibit 7-1, the median differences between groups of people are shown for each subtheme and over the entire Theme 2. Be sure to note the number of exercises each median is based on; the number differs from subtheme to subtheme, and from age level to age level.

One further warning needs to be presented here: it is not possible to determine why groups differ from one another in terms of their levels of success. It is not possible to say, for example, that 13-year-olds performed better than 9-year-olds because the former group is older, because the former group has had four more years of schooling or because the two groups have had different experiences before they were 9 years old (less television, perhaps, for the 13-year-olds). It is simply not possible to determine which causes account for the differences—we do not have the information available to tease out the causes and effects of the differences shown in the exhibit. The numbers in the following exhibit can only be interpreted as indicating differences, without any indication of how those differences came to be.



EXHIBIT 7-1. Median Differences Between Age Levels on Overlapping Exercises

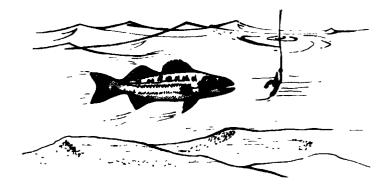
Median Differences Between Age Groups 17-Adult **Effects** 13-17 Effects Subtheme 9-13 Effects 17.1 -1.4 1 3 1 8.5 Α -2.1 9 7.4 9 11.3 6 В 5 12.5 12 1.0 C 5 12.0 3.5 11 D 0 12.0 16 14 11.1 38 1.8 26 9.9 TOTAL

The remainder of this chapter is devoted to the results of overlapping exercises. Each exercise is shown along with the results of the administrations and the differences in percentages of success for each age.

RELEASED EXERCISES



Exercise R203, Subtheme A
Exercise Administered at Ages 9 and 13



Look at the picture and fill in the oval beside the sentence which tells BEST what the drawing shows.

- The fish has already eaten the worm.
- The worm is probably not on a hook and line.
- The fish looks as if he is going to eat the worm.
- The fish is waiting for the worm to be put in the water.
- O I don't know.

NO2 02 3/1 03-X203014 900040V0 T13 05 3/1 03-X203014 R00040V0

9 13

#### NATIONAL AND GROUP PERCENTAGES OF SUCCESS

	AGE	PERCENTAGE							PERCENT	AGE OF	SUCCESS				
	FEAFF	OF_SUCCESS		MIKKERERCE	0	10	20	30	*0	50	60	70	80	90	100
MATIONAL	9	87.5			·	•••••	••••••	••••••	•••••	•••••	•••••	•••••	•••••	•••	
MATIONAL	13	96.0	9>1	3 8.5	****	•••••	•••••	•••••	******	•••••	••••••	••••••	•••••	•••••	••
			`						*****					}	
Southeast			9>1	1 12.9	*****				•••••	•••••			• • • • • • •	•••••	•i i
Test		86.2			*****		*****	******	******	•••••				••i	1
	13	94.5	9>1	3 8.3	*****				*****	*****					•!
Central									******					•	
			9>1	3 0.4					******						77
Wortheast			A. 51									******			•••
	13	77.0	7/1	3 8.1	••••		••••								
														<u>. i</u>	i
Male										<del>-</del>					.!
			y>1	3 9.5				,,,,,,,,			******				
remale			4		40000									•	•••
	NATIONAL Southeast West Central Mortheast	HATIONAL 9 HATIONAL 13  Southeast 9 13 Hest 9	TATIONAL   9   87.5	NATIONAL   9   87.5	NATIONAL   9   87.5	TATIONAL   9   87.5	NATIONAL   9   87.5	NATIONAL   9   87.5     0   10   20     0   10   20     0   0   0   0   0   0   0   0	NATIONAL   9   87.5     0   10   20   30   10   30   10   30   10   30   10   30   10   30   10   30   10   30   10   30   3	NATIONAL   9   87.5     0   10   20   30   40	NATIONAL   9   87.5     0   10   20   30   40   50	NATIONAL   9   87.5	NATIONAL   9   87.5	NATIONAL   9   87.5	NATIONAL   9   87.5

142



	AGR LEVEL	PERCENTAGE OF SUCCESS		PERCENTAGE DIPPERENCE					PERCENT	AGE OF	SUCCESS				
	*****	51-5322933		ATTERESTS	0	10	20	39	40	50	60	70	80	90	190
WATIOWAL	. 9	87.5			••••	•••••	•••••	•••••	•••••		•••••	•	•••••	•••	i
WATIOWAL	13	96.0	9>1	3 6.5	••••	••••			•••••	••••••	•••••	•••••		į	., İ
														į	i i
COLOR														- 1	1 1
Black		69.0			****		******				••••••	***		i	i i
	13	91.7	9>13	3 22.7	****	******	******	*****		•••••	••••••	*****	••••••		i i
White	9	90.4			****		******	*****		****		****	••••••		ii
	13	96.9	9>13	6.5	••••	•••••	••••••	•••••	•••••	•••••	• • • • • • •	•••••	••••••	•••••	••••
														-	1 1
PARENTAL PROCATION														i	i i
No High School	9	76.5			*****		******	*****	******			*****	•••	i	i i
	13	93.5	9>13	3 17.0			*****	*****		*****		*****	••••••	;	i i
Some High School	9	63.9				***	******					****		·i	i i
-	13	98.0	9>13	3 14.1			*****	*****				*****			••••
Graduated Migh Sch.	9	69.6			****	*****	******	*****							i i
•	13	96.3	9>13	6.6	****	*****		*****							.i
Post Nigh School	. 9	91.7						*****							: :
	13	97.9	9>13	6.1	••••	••••	******	*****	****	•••••	• • • • • •	*****		•••••	••••
SIZE-AND-TYPE OF CONHUNITY														-	!!
Extreme Inner City	9	66.1				******								- 1	1 1
	13	92.9	9>1	24.9											1 1
Extreme Aural		60.9				*****							****		: :
	13	92.6	9513	11.7											1 1
Small City		86.8													: :
	13	96.0	9>13	9.2											
Hedium City		90.5													-; ;
neuram crey	13	96.1	9>13	5.5											.: !
Rest Of Big City		89.3	,,1	. ,.,					2444 464						7 !
nest of sig city	13	93.0	9>13	4.4											.: !
Suburhan Pringe		92.0	,,13	,											1 !
Seperment tringe	13	98.0	9>13	. €.0											!
Extreme Aff Suburb		93.6	2-271Y	,									••••••		-11
PULL MET SEDUED	13	97.1	9>13	1 3.4											T1 !

Exercise R203, Subtheme A

Exercise Administered at Ages 9 and 13

In order to respond correctly, a child could either intuit the feelings of the fish or eliminate the three incorrect responses leaving only the third alternative.



Exercise R204, Subtheme B

Exercise Administered at Ages 9 and 13

If you wanted to buy some bubble gum that would stay sweet for a long time, which of these would you buy? Fill in the oval beside the bubble gum you would buy.



☐ I don't know

#02 06 3/1 03-X204011 R100000 T09 07 3/1 03-X204011 R1000000 9 13 9 13

		AGP	PERCENTAGE		PERCENTAGE					PERC ENT	ige of	SUCCESS				
		LEAST	OF_SUCCESS		DIFFERENCE	0	10	20	30	*0	50	60	70	60	90	100
	MATIONAL	. 9	65.4			••••	•••••	•••••	•••••	•••••	••••	•••••	•	•	·	į
	VATIONAL	13	95.0	9>1	3 29.6	••••	•••••	•••••	•••••	*****	•••••	•••••		******	•••••	1
REGION													!			1 1
	Sout heast		52.0			****	•••••					•••••	1			!!
		13	93.7	9>1	3 31.6	****	******	******	******	******	*****				• • • • • • •	T !
	Vest		63.5			****	****	******	******	****	*****		1.			I
		13	97.1	9>1	3 33.6	****	*****	******	*****	*****	*****	••••••			• • • • • • •	***
	Central		66.2			****	*****	******	******	*****	******	*****	• •			į i
		13	95.7	9>1	3 29.5	***	*****	******	*****	******	******	******	******			4. 1
	Nort heast		68.7			****	*****	******	*****	*****	*****	••••••	***			1 1
		13	93.1	9>1	3 24.6	****	•••••	******	••••••		*****	••••••	<b>!</b>	••••••	•••••	1 1
SEE													1			
	Male	• •	63.0			****	****	******	*****	*****	*****	••••••	1			1 1
		13	94.0	9>1	3 31.0	****	*****		*****		*****		*****		••••••	1
	Female	• •	67.9			****			****	****	*****	*****	***			1 1
		13	96.0	9>1	3 78.1						******	******	*****			

	AGE LEYEL	PERCENTAGE OF SUCCESS		PERCENTAGE DIPPERENCE					PERCENT	AGE OF	SUCCESS				
					0	10	20	30	40	50	60	70	80	90	100
	•	65.4			•	•	•	•	•	•		. •	•	•	•
VATIONAL	9	65.			****		•••••	•••••	*****	••••	••••••	•			!
MATIONAL	13	95.0	9>13	29.6	••••	*****	*****	•••••	•••••	••••••	••••••	<b></b>	•••••	•••••	•
COLOR						,						į			İ
Black		57.5			••••	•••••	•••••	*****	•••••	••••••	•••	i			i i
	13	54.5	9>13	27.1	••••	*****	•••••	•••••	••••••	••••••	••••••	•••••	••••••	•	i i
White		66.5			••••	*****	•••••	•••••	•••••	••••••	••••••	••			i i
	13	96.7	9>13	30.2	••••	*****	•••••	••••••	••••••	••••••	••••••	••••••	•••••	••••••	••• i
												į.			!!
PARENTAL EDUCATION												<b>:</b>			! !
To Migh School	9	56.3			••••	*****	•••••	•••••	•••••	••••••	••	i			i i
	13	91.5	9>13	35.1	••••	*****	•••••	*****	••••••		••••••	•••••	•••••	•••••	ii
Some High School	•	60.7			••••	•••••	•••••	•••••	•••••	••••••	••••	i			ii
·	13	92.3	9>13	31.6	••••		*****	*****	••••••	••••••	••••••	••••••	• • • • • • •		ii
Graduated High Sch.	9	68.1			***	*****	•••••	*****	••••••	••••••	••••••	•••			ii
	13	95.3	9>13	27.2		*****	• • • • • • • •	*****	•••••	••••••	••••••	•••••	•••••	•••••	•• i
Post High School	9	71.8			••••	*****	•••••	*****	••••••	••••••	••••••	•••••			i i
	13	97.1	9>13	25.3	••••	*****	•••••	•••••	•••••	••••••	•••••	••••••	•••••	••••	••• i
SIZE-AMP-TYPE OF CONMUNITY												!			! !
Extreme Inner City	9	60.2			••••		•••••	*****	• • • • • • •		••••	ì			: :
•	13	94.7	9>13	34.5	••••		•••••		••••••		••••••	••••••	•••••		• :
Extreme Rural	9	58.4			***	*****	• • • • • • •			•••••	••••	i			: :
	13	94.7	9>13	36.3	****	*****	••••	****	••••••	******	• • • • • • • •	••••••		••••••	i i
Small City	9	61.3			••••	••••••	••••••		••••••		•••••				: :
•	13	94.3	9>13	33.0	****		••••••		• • • • • • •				•••••		• ;
fedium City	9	67.4			••••	•••••	• • • • • • • •	****	••••••		• • • • • • • •	••		-	: :
•	13	96.1	9>13	28.7	****	•••••	• • • • • • •	*****	••••••	••••••	• • • • • • • •	••••••	•••••		•
Pest Of Big City	9	69.0			****	*****			••••••	•••••	••••••	•••			ii
,	13	41.0	9>13	22.0	••••	******	• • • • • • • •	•••••	••••••	******	••••••	· • • • • •	•••••	•••••	i i
Suburban Fringe		64.6		-	****		•••••	•••••	••••••	••••••	• • • • • • • •	i			ii
-	13	96.6	9>13	31.9	****	******	• • • • • • • •	••••••	••••••	••••••	••••••	••••••		•••••	•••
Extreme Aff Suburb	9	81.2			****		•••••	•••••	••••••	•••••		•••••	•••••		i i
	13	95 5	9>12	14 2								:			1 :

Exercise R204, Subtheme B

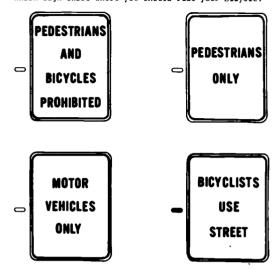
Exercise Administered at Ages 9 and 13

In order to see that the third gum wrapper enclosed a piece of bubble gum that would "stay sweet for a long time," the child would have to understand that the quoted expression and "it never loses its sugary flavor" were synonymous.

Exercise R205, Subtheme B

Exercise Administered at Ages 9, 13 and 17

Which sign shows where you should ride your bicycle?



- I don't know

NO2 11 3/1 04\*X205011 R10000V0 T12 01 3/1 04\*X205011 R10000V0 S06 01 3/1 04\*X205011 R10000V0

9 13 17 9 13 17 9 13 17

		AGE	PERCENTAGE		PERCENTAGE				i	PERCENT	AGE OF	SUCCESS					
		TEAET	OF_SUCCESS	į	DIFFERENCE	0	10	20	30	40	50	60	70	80	90	,	100
	VATIONAL	9	68.8			****	••••	•••••	••••	•••••	•••••	••••	***	•	·		ij
	JANCITAN	13	89.3	9>13	20.5	****	•••••	•••••	******	*****	****	*****	••••	•••••	****		!
	NATIONAL	17	96.1	13>17 9>17		****	•••••	******		*****	*****	******		******		***	
PEGION		_													- !	- !	-
	Sout heast	9 13	60.5 94.7	0 -> 4 7	24.2	****		*******			******		!		!	!	- !
		17	91.4	13>17		****	*****	******	******		*****					. :	- 1
		"	-1.4	9>17			<b>-</b> -						,			ì	- i
	West	9	68.2	3/1/	30.7	****		*****	*****		******	*****	****		i	i	i
	4651	13	90.1	9>13	21.9	****		*****	*****	*****	******	******			****	i	- i
		17	97.5	13>17		****	*****	*****	*****	*****	*****	******		******	****	***	·i
					29.2								i		i	i	i
	Central	9	72.3			****	*****	*****	******	*****	*****	******	*****		i	Ĺ	- 1
		13	89.1	9>13	3 16.8	****	*****	******	******	*****	******	******		** ****		- 1	- 1
		17	96.3	13>17		****	*****	*******	******	*****	******	******	*****	*****	*****	***	- 1
				9>17	7 24.0								1		- 1	- 1	- 1
	Northeast	9	72.1			****	*****	******	******	******	*****	*******	***		- 1	- 1	
		13	93.4		21.3	****	*****	******	****	*****	*****	*******	******	******	*****	*	. !
		17	98.2	13>17		****	*****	******	******	******	******	******	******	******	******	***	••!
				9>17	26.1								-			-	-
SEX	<b>Wal</b> e	. 9	69.1										<u> </u>		ij	i	į
	4616	13	89.5	9>17	3 20.4	****	*****		*****	*****	*****			******		i	- i
		17	97.3	13>17		****	*****	******	*****	*****	*****	******			*****	***	• i
		• •	,,,,	9>17									i		i	i	i
	<b>Female</b>	9	68.6	, , , ,	10.5	****	*****	******	*****	*****	*****	******	***		i	i	í
	1 CMW4C	13	99.2	9>13	20.6	****	*****	******	******	*****	*****	******	*** • * * * * *	*****		i	- i
		17	94.9	13>17		****	*****	*****	******	******	*****	******	****	******	******	•••	i
				9>17									Í		1	- i	Ĺ

	AGE LEVPL	PERCENTAGE OF SUCCESS		PPRCENTAGE DIPPERENCE				PERCENT	AGE OF	SUCCESS				-
	#24-2	11114144	•		0 10	20	30	40	50	60	70	80	90	100
VATIONAL	9	68.8			·····		••••	•••••	••••	•••••		•	•	į
MATIONAL	13	89.3	92:3	20.5	******	******	*****	•••••	*****	*******	ļ	*****	***	i i
NATIONAL	17	96.1	13>17	6.8	*******	*******	*****	******		*****	 		***	., !
			9>17	27.3							!		- [	1 !
COLOR											İ		İ	ii
Black	9	44.0			******	*******	*****	******	•		i		i	i i
	13 17	77.7 86.2	9>13 13>17		********	 	******	*******	*******		*****		. !	1 1
			9>17	42.1							i		i	i i
White	9 13	72.6 91.5	0512	10.0	********		*******		******		****		!.	!!
	17		9>13 13>17	18.9 5.9	*******	********	******				*****	******	****	***
			9>17								i		ij	i i
											!		- !	1 1
PARTYTAL EDUCATION											i		i	i i
40 High School	9 13	61.3 77.6	9>13	16.3	********	********	******	••••••		. • • • • • • • • • • • • • • • • • • •			!	!!
	17		13>17	13.4	*******	******	******		******		*****		***	1 1
	_		9>17	29.8	<b></b>	<b> </b> .					į		į	i i
Some High School	9 13	77.1 86.9	9>13	9.8	*******	********	******	* * * * * * * * *	*		*****	*	. !	1 1
	17		13>17	7.5	*******	*******	*****	******	******	********	*****	******	****	•i i
Graduated High Sch.	9	67.4	9>17	17.3							1		!	!!
Graduated High Sch.	13	90.1	9>13	22.6	*******	******	*****	******		********	*****	******	4**	1 1
	17	96.7	13>17	6.7	*******	•••••	*****	******	******	********	*****		****	***
Post High School	9	75.7	9>17	29.3	•••••	******	******	*****	******				- !	
•	13	94.2	9>13	18.5	*******		*****	*****	******	*******	*****	******	****	•i i
	17	97.6	13>17 9>17	3.5 22.0	******	*******	******	• • • • • •	• • • • • • •	******	† •*••• 	*****	***	***
MATIONAL	9	68.8			*******		*****	•••••	******	*****	•			
MATIONAL	17	99.3	9>13	20.5	*******	******	*****	•••••			 		***	-
MATIONAL	1719	96.3	13>17	7.0			*****	•••••	*****					**
			9>17	27.5							!		- !	11
SIZF-AND-TYPS OF CONNUNITY											į		i	11
Extreme Inner City	9	50.4			••••	• • • • • • • • •	*****	******	****		i		i	i i
	13 17IS	84.1 94.1	9>13 13>17	33.7 10.0	********		******		******		*****	******	!	.!!
		74.1	9>17								1	******		71 1
Extreme Pural	9	60.6			*******	********	******	******	******	*****	1		!	1 1
	13 17IS	73.3 96.6	9>13 13· >17	12.7 23.2	*********		******	 	*******		****		****	
			9>17								i		į	Ţį
Small City	9 13	69.4 89.7	9>13	20.3	********		 	 	*******		*****			1 1
	1715		13>17	5.5		*******	*****	*****	*****	*****	*****	******	****	••
Medium City	9	67.2	9>17	25.8							!		ļ.	!!
realum City	13	97.7	9>13	20.5		******	******	•••••		*******	  *****	******	• ¦	11
	17IS		13>17	6.8	******	******	******	******	* * * * * * *	*****	*****	******	****	•i i
est Of Big City	9	73.2	9>17	27.3	*******	*******	*****						- !	1 1
1001 10 02, 121,	13	92.9	9>13	19.6		• • • • • • • •	• • • • • • •	******	******	*******	·****	******	****	i i
	1715	98.1	13>17 9>17	5.3 24.9	*******	*******	*****	******	******	******	*	******	*****	****!
Suburban Pringe	9	72.8				• • • • • • • •	*****	** * * * **	*****	****			-	1 1
•	13 17IS	94.1	9>13	21.3	********		*****	*****	******	********	*****	******	****	•1. 1
	1/15	97.6	13>17 9>17	3.5 24.8							T = = = *		7-6	***
Extreme Aff Suburb	9	79.0			•••••	• • • • • • • • •	******	*****	*****	*****	****	**	i	ji i
	13 17IS	98.2	9>13 13> <i>i</i> 7	19.2 1.5	********	*********	******		******		*****	******	*****	****
		<del>-</del>	9>17								i		i	1 1

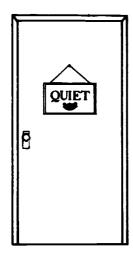
Exercise R205, Subtheme B

Exercise Administered at Ages 9, 13 and 17

In order to respond correctly to this exercise, a child would have had to know the meanings of pedestrians, motor vehicles and prohibited, and he would have to know that a bicyclist is one who rides a bicycle.

Exercise R206, Subtheme B

Exercise Administered at Ages 9 and 13



Look at the picture and fill in the oval beside the sentence which tella BEST what the drawing shows.

- A sign is hanging by the door.
- A sign is hanging on the door.
- A sign is hanging over the door.
- A sign is hanging near the door.
- O I don't know.

NO3 02 3/1 02\*X206011 R10000V0 T03 15 3/1 02\*X206011 R10000V0

9 13 9 13

		age Level	PERCENTAGE OF SUCCESS		PERCENTAGE DIFFERENCE				1	PERCEPT	GE OF :	SUCCESS				
		PRINE	21-3322453		AVTERBUTE	0	10	20	30	40	50	60	70	80	90	100
	JAHOITAP	9	68.6			•••••	••••••	••••	•••••	••••••	*****	•••••	•••••	•••••	••••	•
	NATIONAL	13	97.9	9>1	9.1	•••••	•••••	*****	•••••	••••••	•••••	••••••	*** ***	•••••	••••	••••
															-	- 11
REGION		_													Į.	- !!
	Southeast	13	83.5	0						******					!	!!
	V	13	97.2 86.8	y>1.	3 13.7											•••!!
	Waat	13	98.4	n	3 11.6											!!
	Central	13	93.0	721.	11.6									••••••		****!
	Centrel	13	98.3	9>1	3 5.3											!!
	Northeast	13	90.5	771	3 5.3										•	***!
	MOLCHERR	13	97.6	9>1	3 7.2	****										!!
		13	97.0	921	, ,,,	•••••										!!
SEI															į	- !!
***	Hale	٩	86.0					*****								- 11
		13	97.0	9>1	3 10.9					,						•••!!
	<b>Temale</b>	9	91.5		,		*****	******				*****	*****		****	
		13	98.9	9>1	3 7.7	****	*****	*****	*****		*****	*****	*****		****	••••

	AGE LEVEL	PERCENTAGE OF SUCCESS		PERCENTAGE DIFFERENCE				1	PERCENT	AGE OF	SUCCESS					
					0	10	20	30	40	50	60	70	80	9	0 1	00
					+	+	•	+	•	•	•	•	•		•	•
TAMOITAF	9	88.8			••••		******	••••••	•••••	•••••	•••••	•••••	•••••	••••		!
MATIOMAL	13	97.9	9>1	9,1	••••	•••••	••••••	•••••	•••••	•••••	••••••	•••••	******	••• <del>•</del>	•••••	ti -
C017H														- !		!!
81ack	9	70.6			••••	•••••	•••••	••••••	••••••	••••••	••••••			i		ii
	13	96.6	9>13	26.0	••••	•••••	•••••	••••••	•••••	••••••	•••••	••••••	•••••	****	•••••	ii.
White	9	91.3			••••	•••••	••••••	••••••	••••••	••••••	•••••	•••••	•••••	***	••	ii
	13	98.1	9>13	6.8	••*•	*****	•••••	••••••	*****	•••••	•••••	•••••	•••••	***	•••••	11
														ij		Ħ
PAPENTAL EDUCATION	•	22.2												!		!!
To High School	9 13	82.2												!		11
		98.9	9>1:	16.7												T.
Some High School	9 13	77.9		19.6										!		!!
annanna stat pat		97.5	9>13	19.6											_	'!!
Gradusted High Sch.	9	89.5													- 	.!!
A A 111-1 C-11	13	98.9	9>13	9.4												71
Post High School	9 13	94.5 97.9	9>13	3.4												.!!
	13	97.9	4>1	3.4	••••									1	•••••	11
SIZE-AND-TYPE OF COMMUNITY														-		11
Frireme Inner City	9	80.1			****	*****	••••••			•••••	•••••	•••••	••••	i		ii
	13	97.5	9>13	17.3	****		••••••	••••••	•••••	•••••	•••••	•••••	•••••	****	•••••	rii -
Extreme Pural		89.3			••••	•••••		••••••	•••••	•••••	•••••	••••••	•••••	••••	•	ii
-::	13	97.9	9>13	8.6	••••	•••••	••••••	••••••	•••••	•••••	•••••	•••••	•••••	••••	•••••	ΨĹ
Small City	9	86.9			****	*****	******	******	••••••	•••••	•••••	• • • • • •	•••••	•••		ii
	13	97.5	9>13	10.5	****	*****	******	******	•••••	•••••	•••••	•••••	•••••	••••	•••••	rii -
Hedrum City	9	89.4			****	*****	******	******	******	******	******	•••••	••••••	****	•	ii
	13	97.5	9>13	8.2	****		******	******		*****	******	•••••	•••••	••••	•••••	rii -
Pest Of Big City	9	88.2			****	*****	******	••••••	•••••	•••••	••••••	•••••	•••••	••••		ii -
	13	100.0	9>13	11.8	****	*****	******	••••••	*****	•••••		•••••	••••••	••••	•••••	ŤŤ
Suburban Pringe	9	89.1			••••	*****	••••••		*****	••••••	•••••	••••••	•••••	••••		ii .
	13	98.6	9>13	9.5	••••	•••••	••••••	••••••	••••••	•••••	••••••	•••••	*****	****	•••••	ΨĹ
Extreme Aif Suburb	9	96.0			••••	*****	••••••	••••••	*****	•••••	•••••	• • • • • • •	•••••	***	•••••	ii
	13	97.8	9>13	3 1.8	****	*****	*****	••••••	*****	••••••	•••••	•••••	•••	***	•••••	11

Exercise R206, Subtheme B

Exercise Administered at Ages 9 and 13

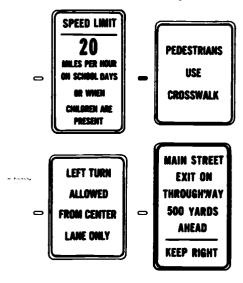
This exercise required two things of the children who took it. First, it required that they be able to determine where the sign was hanging relative to the door, and second, they had to translate their perceptions into the proper preposition, in this case, on.

Exercise R208, Subtheme B

Exercise Administered at Ages 9 and 13

Some road signs tell people who are driving cars what to do. Other signs tell people who are walking what to do.

If you are walking, which sign tells you what to do? Fill in the oval beside the correct sign.



□ I don't know

404 06 3/1 03\*X208011 R10009Y0 T08 95 3/1 03\*X208011 R10000Y0

9 13

		AGE	PERCENTAGE		PERCENTAGE					PERC ENT	ige of	success				
		TEALT	OF SUCCESS		DIFFERENCE	0	10	20	30	40	50	60	70	80	90	100
	JANOITAN	9	87.3			••••	••••••	••••••	•••••	•••••	•••••	•••••	•••••	•••••	•••	į
	WATTOWAL	13	96.9	9>1	3 9,6	****	•••••	•••••	•••••	•••••	•••••	••••••	••••••	•••••	•••	•••
REGION															İ	ij
	South-ast		80.2				******	*****	*****	******	*****	*****	•••••	****	ı	1.1
		13	95.2	9>13	3 15.1	****	*****	*****	*****	••••••	*****	••••••		****	••••••	••1 1
	West		88.7			****	*****	*****	*****	******	******	******	••••••	******	***	1.1
		13	96.2	9>1	3 7.5	****	•••••	*****	*****	••••••	*****	*****	••••••	*****	******	••1
	Central		90.0				*****	*****	*****	*****	****	******	******	*****	*****	1 1
		13	97.7	9>13	3 7,7	****	*****	*****	*****	******	*****	******	******	*****	••••••	**† j
	Northeast		89.5			****	*****	*****	*****	*****	******	******		*****	****	1.1
		13	98.5	9>1	3 9.0	****		****	*****	*****	*****	••••••	••••••	•••••	••••••	***
57X															1	11
	Male	9	#6.0			****	******	*****	*****	******	******	******		******	••i	ii
		13	96.4	9>13	3 10.4	****	*****	******	*****	******	******	******	******	*****		••i i
	Female	9	88.6		•	****	*****	******	*****	******	*****	******	******	***		ii
		13	97.5	9>13	3 8.9	****		******	*****	******	*****			****	******	•••

	AGE LEVEL	PERCENTAGE OF SUCCESS		PERCENTAGE DIPPERENCE				1	PERCENTA	GE OF	SUCCESS				
	FFIFF	OF SUCCESS		DILLERESCE	0	10	20	30	40	50	60	70	80	90	100
WATIONAL	9	87.3			:	•••••	•••••	•••••	••••	•••••	•••••	•••••	•••••	••	i
WATIOWAL	13	96.9	9>1	3 9.6	••••								••••••		!
PRIIOPAL	.,	,0.,	J/1	,,,,										į	
COLOR														i	11
Black		73.3			••••	******	••••••	••••••	••••••	*****	••••••	*****		1	1 1
	13	91.0	9>1	3 17.6	••••	•••••	••••••	•••••	••••	•••••		*****	*******	• • • • •	1 1
White		89.8			••••	••••••	••••••	•••••	••••	•••••	••••••	*****	••••••	****	. ! !
	13	97.7	9>1	3 8.0	****	••••••	••••••	•••••	••••••	•••••	•••••		******	• • • • • • •	•••
														į	- į į
PARENTAL FOUCATION					_									!	!!
No High School	. 9	81.2			••••	******	*****	*****							. ! !
	13	94.0	9>1	3 12.8	• • • • •			•••••							*!!
Some High School	9	73.0			••••										!!
	13	97.0	9>1	3 24.0	••••										!!
Graduated High Sch.	9	86.7													!-!
	13	97.9	9>1.	3 11.1	****										!-!
Post High School		93.4											*******		
	13	98.5	9>1	3 5.0	••••									1	1 1
SIZE-AND-TYPE														!	1.1
OP_COMMUNITY	_	81.0												- 1	- 1 1
Extreme Inner City	9 13	91.6		3 10.6											1 1
Fxtreme Pural		83.1	9>1	, 10.0											- 1 1
TRITEME FULBI	13	95.9	9>1	3 12.8						*****					•••
Small Cite		97.4	y/1	3 14.0							•••••		******		- 1 1
Small Cit*	13	96.2	9>1	3 8.8											•••
Medium City		85.0	,/1	9 0.0									******	• 1	- ; ;
Healum City	13	96.6	9>1	3 11.5						*****		*****			
Pest Of Big City		86.5	y-2/1.							*****	•••••		******		- 1 1
rest of sig city	13	95.7	9>1	3 9.2	****	******		*****		•••••			*****		••; ;
Suburban Pringe		90.3	y/1	, ,, 4	****						*****				- ; ;
Summing of Inge	13	99.4	9>1	3 9.1							•••••				
Extreme Aff Suburh		95.7	//1	, ,, ,		*****				•••••	••••••				•••
EXCLUME ALL SADALS	13	99.4	9>1	3 3.7	••••	•••••	••••••	•••••	•••••	•••••	••••••	••••	******	•••••	•••••

Exercise R208, Subtheme B

Exercise Administered at Ages 9 and 13

This exercise required children to be able to determine that only the upper right hand sign pertained to a person who was walking. There were two ways a child could choose the correct sign: he could know the meaning of the word pedestrians (since only one sign referred to walkers), or he could eliminate the other three signs by figuring out that they all pertained to cars.

Exercise R209, Eubtheme B
Exercise Administered at Ages 9 and 13

Look at the labels from two cans of dog food. One can has more protein in it than the other. Fill in the oval below the dog food that contains more protein.

Ash	3%
Crude fiter	171
Crude protein	651
Crude fat	114
Moisture	41
Vitamin E	trace
PREMIUM DOG I	

Asl.	2%
Crude fiber	45%
Crude protein	20%
Crude fat	30%
Moisture	31
Vitamin E	trace
HEARTY DOG F	

O I don't know.

#04 10 3/1 01\*X209013 R00300V0 T12 05 3/1 01\*X209013 R00300V0

9 13

		AGE	PERCENTAGE		PERCENTAGE					PRRC ENT	AGE OF	SUCCESS				
		TEAST	OF_SUCCESS		DIFFERENCE	0	10	20	30	40	50	60	70	80	90	100
	VATIONAL	9	67.4			*****	••••••	•••••	•••••	•••••	•••••	•••••	••••	•	•	i
	WATIOWAL	13	\$0.5	9>1	3 13.0	••••	•••••	•••••	•••••	•••••	•••••	•••••	••••••	•••••		i
REGION													1	1		1
	Sout heast	9	60.6			••••	*****	*****	•••••	•••••	•••••	••••	•	- 1		1
		13	72.6	9>1	3 11.9	••••	*****	•••••	•••••	•••••	• • • • • • •	•••••	••••••	- 1		1
	West	9	71.6			••••	•••••	•••••	••••	***	• • • • • • •	••••••	•••••	- 1		1
		13	92.3	9>1.	3 10.6	••••	•••••	*****	•••••	•••••	••••••	••••••	••••••	•••••	•	- 1
	Central	9	68.1			••••		*****	••••	******	•••••	••••••	• • • •	1		- 1
		13	91.8	9>1	3 13.7	****	*****	•••••	•••••	•••••	••••••	••••••	••••••			1
	Wortheast	9	69.1			••••	*****	****	••••	•••••	••••	••••••	••••	1		- 1
		13	64.6	9>1	3 15.6	••••	•••••	•••••	******	•••••	•••••	•••••	••;••••	•••••	••	1
SZX													-	- 1		1
	Hale	•	69.1			****		*****	••••••	****	•••••	•••••	••••	- 1		- 1
		13	80.2	9>1.	3 11.1	****	*****	*****	••••••	•••••	••••••	••••••	••••••	****		- 1
	Pemale	•	65.8			****				******	******	******	••1	1		1
		13	80.7	9>1.	3 14.9	****	*****		******	******		******		•••••		i

	AGE LZVEL	PERCENTAGE OF SUCCESS		PERCENTAGE DIFFERENCE					PERCENTA	GE OF	SUCCESS				
					0	10	20	30	40	50	60	70	90	90	100
WATIONAL	9	67.4			•	•	•	•	•	•	•	•	٠	•	•
WALLUFAL	,	67.4			****		•••••	•••••	•••••	•••••	• • • • • • • • •	•			
WATIONAL	13	80.5	9>1	13.0	••••	******	••••••	• • • • •	•••••	•••••	••••••		•••		!
C0108												į	i		į
Black	9	65.2			••••	*****	******		•••••			;	- :		- 1
	13	66.4	9>13	1.3	****	******	*******		•••••				:		
White	9	67.6			****		*******		******			÷	- 1		- :
	13	82.7	9>1	15.1	••••	•••••	••••••	•••••	•••••	•••••	••••••	·····	••••	•	į
PARRYTAL EDUCATION												į	į		
Wo Figh School	9	65.0										!			!
,	13	69.9	9>13	3.0								<u>.</u>	!		!
Some High School	9	65.9										Ţ*	•		!
,	13	75.1	9>13	9.2									•		!
Graduated High Sch.	9	67.5		· ···								100000	- !		!
,	13	80.8	9>11	13.3								T	!		!
Post High School	9	69.6	, , , ,									•			!
•	13	45.0	9>13	15,4	••••	••••	•••••	• • • • •	••••••	•••••	••••••	•••••	••••	***	;
SIZF-AND-IVPE OF COMMUNITY												!	-		
Extreme Inner City	9	70.5										!	!		. !
	13	73.4	9>13	2.9			********					***	!		!
Extreme Rural	9	56.3	,, 13	2.7								,	!		!
	13	70.3	9>13	14.0								!	!		!
Small City	9	69.5	,,13	14.0								,	!		!
	13	79.2	9>13	9.6								***	!		!
Medium City	9	69.5		, <b>.</b>								•••	~!		!
	13		9>11	12.3			*******					7 800-00-			:
Rest Of Big City	9	63.8		,				****	******		******	1	77		
	13		9>13	22.8	••••	••••••	••••••	****			******	•••			- :
Suburban Fringe	9	64.5			••••	******				*****	******	,	. ,		:
_	13	61.2	9>13	16.7	••••	*****	••••••	•••••		*****	*******	, ••••••	••••		
Extreme Aff Suburb	9	74.9	_		****			****			*******	*****			- ;
	13	91.4	9> 13	16.5	****			****	****		******				:

Exercise R209, Subtheme B

Exercise Administered at Ages 9 and 13

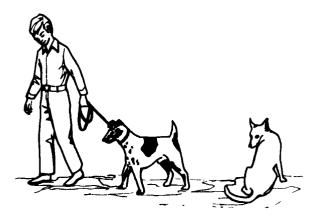
In order to respond correctly to this excrcise, a child had to know that 65 was greater than 20, and ne had to assume that the HEAPTY can was not more than 3 1/4 times larger than the PREMIUM can.

159



Exercise R210, Subtheme A

Exercise Administered at Ages 9 and 13



Look at the picture and fill in the oval beside the sentence which tells BEST what the drawing shows.

- The boy has two dogs on a leash.
- The boy is walking behind his dog.
- The dog on the leash has spots on it.
- The dog sitting down mas spots on it.
- O I don't know.

405 06 3/1 03\*X210011 #10000V0 T06 24 3/1 03\*X210011 #10000V0

9 13 9 13

		age Level	PENCENTAGE OF SUCCESS		PERCERTAGE DIFFERENCE				1	Pencent.	AGE OF	SUCCESS				
		RE TER	AL-SACE BAS		BALLMANNA	0	10	20	30	40	50	60	70	60	90	100
	WATIONAL	•	85.3			*****	••••••		•••••	•••••	•••••	•••••	•••••	•••••	•	•
	WATIOWAL	13	94.5	9>1	3 9.3	•••••	•••••	•••••	•••••	••••••	•••••	•••••	• • • • • •	••••••	ļ	1
5 50 10 A															į	
	Sout heast		76.3			****	*****	•••••	••••••	•••••	••••••	••••••	••••••	••	1	1 1
		13	92.8	9>1	3 16.5	•••••	*****	•••••	••••••	•••••	• • • • • • •	••••••	••••••	••••••	******	1 1
	Vest		66. 3			*****	*****	•••••	•••••	• • • • • • •	••••••	******	******	••••••	400	1 1
		13	95.2	9>1	3 6.9	•••••	*****	••••	••••••	• • • • • • •	••••••			••••••		<b>†•</b> 1
	Central		90.2			*****	*****	*****	••••••	••••••	•••••	••••••		••••••		1 1
		13	95.6	9>1	3 5.7	****	*****	•••••	••••••	• • • • • • •	•••••	••••••	• • • • • • •	••••••	*****	1.
	<b>Bost heast</b>		84.9			****	******	•••••	••••••	••••••	••••••	••••••	••••••	••••••	1	1 1
		13	94.2	9>1	3 9.3	*****	•••••	•••••	•••••	••••••	•••••	••••••	••••••	••••••	1	1
SEX															1	! !
	<b>Tale</b>		63.4			****	*****	•••••	••••••	••••••	••••	••••••	••••••	•••••	1	1 1
		13	93.3	3>1	3 10.0	****	*****		******	******	••••••	*****	*****	••••••	*****	1 1
	Penale	•	87.2			****	*****	*****		••••••		******	*****			1 1
		13	95.8	9>1	3 8.6	••••	•••••	•••••	••••••	••••••	•••••	******	*****	•••••	••••••	1.

	A 32	PERCENTAP		Pancanuver					PERCENT	AGP OF	SUCCESS				
	FIRST	25_522255		DIFFERENCE	0	10	26	30	40	50	۲۵	71)	80	4,,	100
NATI NAL					•	•	•	•	•	+	•	•	*	•	• • •
ANTITAR	. 9	95.3			••••	*****		*****	******	••••••	******	• • • • • • •	******	* *	
4471744 <u>1</u>	. 13	74.5	9>1	9,3	••••		•••••	*****	•••••	• • • • • •	******	• • • • • • •	•••••		•
· 3.														1	
Flack	3	56.4			••••									!	!!
	1 3	46.6	4>13	20.2											!!
₩51++	q	4.4.7			****			*****							!!
	13	26.1	3>13	7.4	••••			*****							
														i	
PASSMENT AL EDUCATION														i	i i
10 Figh Chool	9	75.3					. <b>.</b>				_			1	1 1
19 (194 - 0100)	13	91.4	0. 512	15.4							******	*****	••	ı	1 1
iome High School		79.7	4/13	17.								******		*****	1 1
194 501001	13	24.0	9>1	15.7										. !	ļ l
"taiusted digh 3ch.	9	97.1		• • • •		*****								* * * * * * * *	1 1
	13	95.0	9>13	7.9		*****								• • •	1 1
Post High School		34.0		7.5	****				******		******			• • • • • • •	Ť I
	13	96.7	9>14	2.7				*****			*******				I !
														.,	!!
GTTP-AND-TYPT														i	i i
PRTIONS INNER City	9	F". 1												1	1 1
	13	85.9	9518	17.5		*****								. !	1 1
Extreme Gural	'á	79.	. ,,,	,										• •	!!
	13	92.3	9>11	13.2	****	******		*****							!!
Small Sitv	q	36.2							******					- 7	!!
	13	95.1	9>13	8.9			******	*****			******			· 1	
Medium Tity		94.3			****			*****	******		******			. ,	Ţ" !
	13	95.5	9>13	11.2	****		*****		*****	*****	******			-   	
Rest of Ray Cary	9	96.7		· · ·	****		******	• • • • • •	******		******	*****		• • •	!- !
· ·	13	92.2	4>13	5.6	****	•••••	*****				******	*****			: :
Siburban Fringe	4	97.7							******			******	******	• • • •	: :
ŕ	13	45.3	9>13	7.3							•••••			******	
Prtrame Aff Suburt	q	94.9			****	******	*****	*****	*****	*****	• • • • • • •				. :
	11	97.0	3514	2.0				*****							·

Exercise R210, Subtheme A

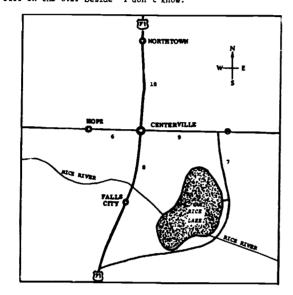
Exercise Administered at Ages 9 and 13

This exercise required 9- and 13-year-olds to evaluate four different descriptions of a picture and decide which description, was most accurate. The instructions to the child imply that there is no correct response, but only a best one. This may mean that even though half of the sitting dog is hidden, and the hidden part may be laden with spots, the third alternative is preferred because it is more readily verifiable.

Exercise R214, Subtheme C

Exercise Administered at Ages 9, 13 and 17

Look at the road map and read each sentence carefully. If what the sentence says is true, fill in the oval beside "True." If what the sentence says is not true, fill in the oval beside "False." If you can't decide if the sentence is true or false, fill in the oval beside "I don't know."



A. By car Northtown is closer to Rice Lake than to Hope.

O True

False

O I don't know.

NOS 06 3/1 02°X214013 R00300V0 T10 03 3/1 02°X214013 R00300V0 S06 06 3/1 02°X214013 R00300V0

9 13 17 9 13 17

		AGE	PERCENTAGI		PERCENTAGE				1	PERCENT	AGE OF	SUCCESS				
		<u>le vel</u>	OF SUCCES:	2 .	DIFFERENCE	0	10	20	30	40	50	60	70	80	90	103
	MATIONAL	9	78.5			•	• • • • • •	•••••	•••••	••••	••••••	•••••	•••••	•••	•	i
	NATIONAL	13	85.1	9>13	6.6	••••	•••••	•••••	•••••	•••••	•••••	•••••	••••••		+	i
	WATIONAL	17	95.3	13>17 9>17		••••	•••••	•••••	•••••	•••••	•••••	•••••	••••••		     	7
REGION		_												-	!	1 1
	Southeast	9 13	73.3 78.1	9>13	4.8	****	•••••	••••••		••••••	••••••	•••••	•••••	. <u>. i</u>	į.	<u> </u>
		17	93.3	13>17	15.2	****	•••••	•••••	•••••	•••••	•••••	•••••	••••••	••••••	<b>¦</b>	1 1
				9>17	20.0						•		<b>.</b>	. 1	I .	1 1
	West	9 13	77.7			****	••••••	•••••						••।	1.	!!
		17	87.1 95.4	9>13 13>17 9>17	8.3	*****	•••••	••••••	•••••	•••••	•••••	•••••	••••••	•		+ !
	Central	9	79.2	9717	17.7									!	!	!!
	Central	13	87.4	9>13	8.2										<u>.</u>	!!
		17	95.3	13>17		••••		••••••							*****	!
		• • •	7,7.0	9>17										1		7 1
	Wortheast	9	81.9			••••	•••••	• • • • • • • •	•••••	•••••		•••••	••••••		i	1 1
		13	87.4	9>13	5.6	••••	•••••	••••••	••••••	••••••	*****	••••••		••••••	••	ii
		17	96.7	13>17 9>17		••••	•••••	•••••	•••••	••••••	•••••	••••••	••••••	·••••• !	!	<b>†</b>
						,								į	į	11
<u>sei</u>	Sale	9	76.1											.!	ļ	!!
	uere	13	83.6	9>13	7.6										•	!!
		17	94.9	13>17												.! !
		.,	74.7	9>17										7.00	1	1 !
	Temale	9	80.9	,,()	10.0		•••••		•••••						!	: !
	·emare	13	86.4	9>13	5.5						*****	••••••				: :
		17	95.8	13>17	9.3	#***	•••••	••••••	•••••	••••	•••••	•••••	•••••	1	- 	•

908 06 3/1 32=(214013 70)30990 710 03 7/1 02=X214013 70)314000 706 06 4/1 04=X218013 70032000 9 13 17 9 13 17 9 1 17

	age Level	PERCENTAGE OF SUCCESS		PERCHUMAGE DIFFERENCE			2	B3C#N*	AGE OF S	UCESS				
					•	20	33	40	50	<b>6</b> 3	7 1	ЯÇ	90	100
TAPLITAT	+	7t.5			*		•					*	•	•
	•	16.7			***********							· Ţ		1
IAPCITAN	13	Af.1	11	f . f	********	****	• • • • •	****	******			***	t	i
TARC ITAP	17	25.1	1:>17	10.2									! *******	. !
7811743	• •	* * * *	9>17									,	1	1 1
												i	i	1 1
1110-												!	!	!!
2012± 81ack	y.	60.7			*********					4 4 2		1	ŧ į	1 1
	13	75.5	9>1		*********		*****		••••••	*** **	****	i	İ	i i
	17	90.4	14>17		*********	******	*****	*****	• • • • • • • •	*****	********	*****	****	!!!
Wnite	9	A1.4	9>17	29.7									!	1 1
	13	97.	9>13	5.7				*****			*******		֥	i i
	17	96.0	13>17	8.8	••••	*****	• • • • • • •	****	******	•••••	*******	****	·	•
			9>17	14.6								•	!	!!
												;	!	1 1
DARIATAL EDUCATION												i	i	i i
No High School	9	64.0			*********	*******	******				, ,,,,,,,,,	!	!	!!
	13 17	75.5 90.2	9>13	11.4	**********	*******							• • • •	1 1
		, , ,	9>17	26.1								1		ii
Some High School		75.1			**********	******	*****		******	*****	• • • • • • • • • •	1	1	1 1
	13 17	83.5 95.4	9>12	8.3 11.9								****	!	.!!
	,,	97.4	9>17							••••		•		1
Graduated High Sch.	q	91.4			•••••	*****			******	*****	********		ì	i i
	13	96.2	9>13	4.2	**********				******		********	****	•	1 1
	17	96.5	13>17	10.4 14.6	*********			******				****	, , , , , , ,	
Post High School	9	05.6	, , , , , ,		*********	*****	•••••	*****			*******	•	Ť	1 1
	12	94.5	3>13	3.0	*********	*****	*****	*****	******	• • • • • •	*******	****	***	1 1
•	17	96.3	13>17 9>17	7.7 10.7	*********		• • • • • •	*****	*******	*****	********	1	9****** (	• • • • • • • • • • • • • • • • • • •
			,>11	10.7								•	•	' '
IAMOITAF	9	78.5			**********	******	*****	*****	******	*****	*********	•		
VATIONAL	13	95.1	9>13	6.6	*********	******								- 1
						-						ì	i	i
JANCITAN	1715	25.3	13>17		*********				*****	*****	*******	****	•	
			9>17	16.9								!	!	!!
SIZE-AND-TYPE												i	ì	1 1
SIZE-AMD-TYPE OP COMMUNITY												i	i	ii
Patrome Inner City	9 13	63.6 81.6	9>13		**********		*****	******	*******		•	1	!	!!
	1715	96.9	13>17	15.4	**********		******	*****			********	****	! ******	
			9>17	33.2								i	i	ii
♥xtreme Pural	9 13	69.)		7.8	*********				*****	******			ĺ	!!
	1715	76.8 95.8	9>13 13>17	19.0	**********						*********		! ••••••	
			9>17									i	i	; ;
Small City	9	78.6	0		*********	******		******	******		********	•	<u>t</u>	į i
	13 1715	85.7 94.6	9>13	7.1 8.9	**********							*****		.!!
			9>17	15.9								•	1	1 1
M€dium City	q	76.6			********	******	*****	*****	*****	••••	*******		i	ii
	13 1713	94.4	9>13	7.8 10.6	********	******	******	******	******	******	********	*****	!	!!
	(/13	74.7	9>17									7	,	1 !
Rest Of Big City	٥	32.5			*********	*****	• • • • • • •	*****	******	*****	******	****	i	i i
	13	96.0	9>13	3.5	*********	****	*****	******		******	********	****	1	! !
	1715	93.7	13>17 9>17	7.7 11.2	*-			******		*****		****		יוי וי
Suburban Prange	9	80.0			*********	*****	*****	*****	*****	*****	*******	•	1	; ;
,	13	99.5	9>13	8.5	*******	******	*****	*****	*****	*****	********	****		i i
	1/15	96.6	13>17	8.1	*********	******	•••	*****	******	*****	********	****	•••••	*** !
Fatreme Aff Suburb	9	9.89	9>17	16.6	********	******						   <b>****</b>	! ***	1 !
	11	99.1	9>13	1.3	*********	*****		*****	******	*****	*******	· · · · ·	· · · ·	ii
	17IS	96.)	13>17	5.9		******	*****	*****	******	*****	********	****		• !
			9>17	7.2								1	ı	1 1

B. You can drive all the way from Northtown to Falls City on Highway 71.

True

O False

O I dor't know.

NOB 06 4/1 01\*X214023 R00300V0 T1C 03 4/1 01\*X214023 R00300V0 S06 06 4/1 01\*X214023 R00300V0

9 13 17 9 13 17

		AGE LEVEL	P*RCENTAGE OF SUCCESS		PERCENTAGE DIFFERENCE			PERCENTAGE OF SUCCESS												
		FFTER	AT-3567755		ATLEBRETE	0	10	20	30	40	50	60	70	80	90	100				
	NATIONAL	9	81.9			****	****	••••••	*****	•••••	****	*****	•••••	•••••	•	i				
	WATIONAL	13	95.2	/ <del>&gt;</del> 13	13, 3	****	****	******	*****		*****	*****		•••••	*******	. !				
	LAPOITAR	17	98.2	13>17 9 <b>-</b> ->17		****	• • • • • •	• • • • • • • •	** ***	••••••	*****	******		•••••	*******					
REGION														į		i ii				
HEALT	Southeast	9	74.8			****	*****	*****	******	*****	*****	*****	*****	• ¦		1 11				
		13	92.6	9>13		*****	*****	******	*****	******	*****	******	******	*****	*******	iii				
		17	97.8	13>17		****	*****	******	******	******	*****	******	******	•••••	*******	**!!				
	Vest	q	81.8			****	*****	******	*****	******	*****	******	*****	*****		i ii				
		13	96.5	9>13	14.7	****	*****	******	*****	******	*****	******	*****	*****	*******	·i•ii				
		17	98.3.	13>17		*****	*****	• • • • • • • • • • • • • • • • • • • •	******	******	*****	******	******	•••••	******	†•†i				
	Central	9	86.8			****	*****	******	*****	******	*****	******	******	*****	****	i ii				
		13	95.8	9>13	9.0	****	*****	******	******	*****	*****	******	******	*****	*******	i ii				
		17	97.7	13>17		*****	*****	******	*****	******	*****	******	******	•••••	*******	†•ii				
	Mortheast	9	A0			*****	*****	******	******	******	*****	*****	******			i ii				
		13	95.8	9>13	13.7	*****	*****	******	******	******	*****	******	******		*******	i ii				
		17	98.9	13>17	3, 1		*****	******	******	*****	*****	******	******	*****	*******					
				9>17	16.8									i						
SEX														·		1 !!				
		9	82.2			****		******	******	******	*****	******	******		•	i ii				
		13	95.3	9>13		****	*****	******	******	******	*****	******	******	*****	*******	• 11				
		17	97.9	13>17		*****	*****	******	*****	******	*****	******	*****	•••••	******	†*†i				
	<b>Female</b>	9	81.6			****	*****	******	******	******	*****	******	*****	*****		i ii				
		13	95.1	9>13		*****	*****	******	******	******	*****	******	******		*******	i ii				
		17	98.5	13>17 9- <b>-</b> >17		*****	*****	******	*****	*****	*****	******	*****	•••••	******	†*†i 				

## NATIONAL 13 95.2 9-313 13.3		AGE LEYEL	PERCENTÂGE OF SUCCESS		PERCENTAGE Dipperence								SUCCESS				90	100
SATIONAL 13 95.2 9->13 13.3 95.2 9->13 13.3 95.2 9->13 13.3 95.2 9->13 13.3 95.2 9->13 13.3 95.2 9->13 13.3 95.2 19->17 3.6 9->13 13.3 95.2 19->17 3.6 9->13 13.3 95.2 19->17 97.3 19->17 13.3 95.2 19->17 97.3 19->17 13.3 95.2 19						0	10		20	30	40	50	60	70	80		<b>40</b>	100
### WATIONAL 13 9.52 9-313 13.3	NATIONAL	9	91.9			-	•••••	****	•••••	*****	******	•••••	• • • • • • • • •	*****	•			!
Slack	LANCITAN	13	95.2	9>13	13.3	***	*****	****	****		****	•••••	•••••	*****		•••	• • • • •	• !
Size   Size			00 3	13>17	3.0	***						*****		*****	,	***		
Black	WATIONAL	17	96.2			•••	****								j			1.11
Same High School   9   10   10   10   10   10   10   10															ì			1 11
1	COLOR	•						***		*****					- 1			
### ### ### ### ### #### #### ########	Black			9>13	25.6	***	*****	****	****	*****	*****	*****	*******	******			•	1.11
### ### ### ### ### #### #### #### #####			97.9	13>17	11.5	***	*****	****	*****	*****	******	*****	• • • • • • • •				*****	
13   97.1   2-313   12.0	White	. 9	85.1	9>1/	3/.1			***	****		******	*****	******		* * * * * †	***		1 11
PARPYTAL FDUCATION		13	97.1			***	*****	****	*****	*****	******	*****	••••••	******				***!!
PairPart L IDUCATION		1"	98.4			***		***		*****			• • • • • • • • • • • • • • • • • • • •					
PARPY No.   PARP				, , , , ,	.3.3										(			
## ## ## ## ## ## ## ## ## ## ## ## ##	DASPETAT EDUCATION														ì	i		1 11
Some High School   9   79.1   13.0   9-213   16.7   17   99.1   13217   2.0   18.8   18.7   17   99.1   18.8   18.7   18.8	No High School		65.6		22.4	***	*****	***	*****	*****	******	*****			,			
Some High School 9 79.3	-					***	*****	***	 	*****		*****						
3				9>17									_		i	į		1 11
Graduated High Sch. 17 98.1 13-317 2.1 98.1 13-317 18.8	Some High School			0513	16.7	***	*****	***		*****	:::::::	******	*******	 	*****	   • • •		
Graduated High Sch. 9 82.2   3 95.5   9 ->13   13.3   9   13   13						***	*****	***	****	*****	******		******	*****	*****	• • • •		****
Fraction   Fraction									<b></b>									
Post High School 9 91.3 9-217 16.2 9 11.3 9	Graduated High Sch.			9>13	13.3	***	******	****		*****	******	*****	******	******				. 11
Post Righ School 9 91.3 97.3 9213 6.0 17 98.4 13217 1.1 9217 7.1 18.2 17.1 19217 7.1 19217 7.1 19217 7.1 19217 7.1 19217 7.1 19217 7.1 19217 16.3 19217 16.3 19217 16.3 19217 16.3 19217 16.3 19217 17.5 97.2 13217 7.9 19217 17.5 19				13>17	2.9	***	*****	***	*****	*****	******	*****	******	• • • • • • •	*****	***	****	
13   97.3   98.4   13-217   1.1			91.3	9>17	16.2			***	*****			*****	******		*****	! ****	***	
### WATIONAL 9 81.9  ### WATIONAL 13 95.2 9)13 13.3  ### WATIONAL 17IS 98.2 13)17 3.1 9)17 16.3  ### WATIONAL 17IS 98.2 13>17 16.3  ### WATIONAL 17IS 98.2 13>17 16.3  ### WATIONAL 17IS 9	bost wide school		97.3	9>13	6.0	***	*****	***		*****	*****	*****	******	*****	*****	••••	****	***!!
MATIONAL 13 95.2 9)13 13.3		17	98.4			***	*****	***	*****	*****	*****	*****	*******	*****	****	, !		
### ##################################				,											****			
MATIONAL 17IS 98.2 13>17 3.1 9>17 16.3	MATIONAL	, 9	81.9		-	•••			••••							i		i
SIZZ-AMD-TYPE	MATIONAL	. 13	95.2	9>13	13.3	***	*****	***	*****	*****	*******	******	*******	******	•	•		1 1
SIZE-AND-TIPE	NATIONAL	1715	98.2			***	*****	***	*****	*****	******	******	*******	******			*****	
Size-Amp-Tire				9717	10.3											į		1 11
### Rural   9   79.7   13   79.7   15   1715   97.2   13   11.6   1715   97.2   13   11.6   1715   97.2   13   11.6   1715   97.2   13   11.6   1715   97.2   13   11.6   1715   97.2   13   13   11.6   1715   97.2   13   1715   97.7   13   1715   97.7   13   15.7   15.9   1715   98.5   13   13   13   13   13   13   15.7   15.9   1715   98.5   13   1715   98.5   13   1715   98.5   13   1715   98.5   13   1715   98.5   13   1715   98.5   13   1715   98.5   13   1715   98.5   1715   98.5   1715   98.5   1715   98.5   1715   98.5   1715   98.5   1715   99.0   13   1715   171	SIZE-AND-TYPE															•		
13	Extreme Incar City	, 9	59.5			***	*****	***	*****	*****	******	******	*****					1 !!
Extreme Rural 9 79.7	•	13		9>13		***	******	** * *	*****	*****	********		*******	*******		****		
13   91.4   9->13   11.6   97.2   13>17   5.9   9->>7   7.5   9   9   9   9   9   9   9   9   9		1/15	91.2	9>17	37.7											i i		1.11
171S   97.2   13>17   5.9   9>17   17.5	Extreme Rural					***	*****	***	*****	*****	*****	******	********	******				
Small City   9   81.9				13>13				****	*****	*****	******	******	******	****				!
13   96.1   9->13   14.2										<b></b>		<b></b>				!		
TITS	Small City			9>1	18.2	***		* * * * *		 	*******	******						** 11
9> 7   15.9						***	*****	***	*****	****	*****	*****	*******	******	*****	·**	**.	
13   96.0   9>13   15.7   2.4   9>17   18.1					7 15.9							*****	******	****	*****	!		
171S	Medium City				1 15.7	***		****	****	*****	******	*****	*******	*****	****	• • • •		-+ 11
Rest of Big Caty 9 83.3 13 95.6 9>13 12.3 1715 98.1 13>17 2.6 9>17 14.8				13>1	7 2.4	***	*****	****	*****	*****	*****	*****	*******	****	*****	***		
13   95.6   9>13   12.3	Dest of Big C.44	<b>.</b> a	81.1	9>1	, 18.1	**:	*****		****	*****	******			*****	*****			1 11
Suburban Fringe 9 86.4	Test of May Cat	13	95.6			***	*****	****	****	*****	******	*****	******	*****	****	9 * * *		
Suburban Fringe 9 86.8 13 95.9 9>13 9.5 171S 99.0 13>17 12.9 Extreme Aff Suburb 9 90.2 13 99.7 9>13 8.5 171S 99.0 13>17 0.2 ***********************************		1715	98.1			***	*****	****	****	*****	******	*****	*******			1		
13 95.9 9>13 9.5 ***********************************	Suburban Fringe	e 9	86.4			***	*****	****		****	******	*****	*******	*****	****	•••	•	$\mathbf{J} \cdot \mathbf{U}$
12.9		13	95.9			***	*****	****	*****	*****	******	******		******		***	= * <del>*</del> * * * * *	
Extreme Aff Subutb 9 90.2		1715	99.3			**			****							i		1.0
1715 99.0 13>17 0.2 ***********************************	Extreme Aff Subut					***	*****	****	****	*****	******	******	*******	*****				
			98.7			***	****** ******	****	# ####	 	******	******	 				****	***
		1,13	,,,,,															

C. Hope is the town closest to Centerville.

True

O False

O I don't know.

#08 06 5/1 01\*X21#033 R00300V0 T10 03 5/1 01\*X21#033 R00300V0 S06 06 5/1 01\*X21#033 R00300V0

9 13 17 9 13 17 9 13 17

		AGE	PERCENTAGE		PERCENTAGE				i	PERCENT	AGE OF	SUCC ESS				
		<u>level</u>	OF SUCCESS	ì	DIPPERENCE	0	10	20	30	40	50	60	70	80	90	100
	WATIOWAL	9	85.4			••••	••••	••••	•••••	•••••	•••••	••••	•••••	•••••	••	i
	WATIOWAL	• 3	95.6	9>13	10.2	••••	•••••	•••••	•••••	*****		•••••	•••••	•••••	•••••	¦
	WATIOWAL	17	98.5	13>17 9>17	2.9 13.1	••••	•••••	•••••	•••••	•••••	••••••	•••••	•••••	•••••	· <del> </del>	
REGION			70.0												į	1 11
	Southeast	9 13	79.2 93.4	9>13	14.2	****	•••••		******		 	******	*******	****		1 !!
		17		13>17	3.7	••••	•••••	•••••	•••••	*****	*****	•••••	•••••	•••••		••••
	West		85.6			****	•••••	******	******	*****	****	••••••	••••••	******	• •	i ii
		13	95.9	9>13		••••	•••••	******	******	*****	*****	******	••••••	******	••••••	• 11
		17	98.6	13>17		****	•••••	******	******	*****	*****	••••••	••••	•••••	* • • • • • •	••••
	Central	9	88.4	, , , , ,		****	•••••	******	******	*****	*****	******		******	••••	i ii
		13	96.4	9>13	8.0	****	•••••	******	******	*****	*****	******		******		·i ii
		17	99.6	13>17		••••	•••••	******	******	*****	*****	•••••	••••••	•••••	• 🛉 • • • • • •	****
	Wortheast	9	86.7	9>17	11.2										.1.	! !!
	MOLCHESC	13	96.6	9>13	9.9				******						•••	1 !!
		17		13>17			*****							******		11.5
		•	,,,,	9>17												
SEX															į	İij
	Hale		82.9			****	*****	*****	*****	*****	*****	******		******	i	i ii
		13	94.3	9>13		****	•••••	*****	******	*****	*****	••••••	••••••	••••••		Pi ii
		17	98.3	13>17		••••	•••••	******	******	*****	*****	••••••	••••••	•••••	••••••	• • • • •
	Female	9	87.9	y>1/	17.4											! !!
	. awata	13	96.9	9>13	9.0										, 4	1 11
		17		13>17												•••।।
		- "	,	9>17											1	111

	A 32	PEPCENTAGE		PERCENTAGE	
	FEARF	QT_SUCCESS	i	DIFFERENCE	n 10 20 30 40 50 60 7) 90 90 13
WATIONAL	4	85.4			
VATIONAL	13	95.6	9>13	10.2	*********
LANCITAN	17	99.5	13>17	2.9	
			9>17	13.1	
COLOR					
Black	a	67.6			************************************
	13 17	88.0 96.3	9>13		
	17		4>17		
White	9	88.0			***************************************
	13	97.2	9>13		***************************************
	17	98.8	13>17		**************************************
			3 <b>/</b> 1/	10.7	1 1 1
PARPYTAL PROCATION					
Yo High School	9	77.5			
	13	90.1	9>13		***************************************
	17	96.8	9>17		
Some Figh School	3	76.9		****	*************************************
•	1	94.9	9>13		***************************************
	17	97.6	13>17		
Graduated High Sch.	9	85.9	9>17	20.7	**************************************
3121631-4 1191 1011	13	96.5	9>13	10.6	
	17	98.1	13>17		***************************************
	9	0.1.2	9>17	12.2	
Post High School	13	93.2 97.4	9>13	4.2	***************************************
	17	99.7	13>17	2.3	***************************************
			9>17	6.5	1 11
NATIONAL	9	85.4			***************************************
NATIONAL	13	95.6	9>13	10.2	***************************************
JAHCITAF	1715	98.6	13>1	2.9	***************************************
			9>17	13.1	
SIZE-AMD-TYPE					<u> </u>
OF COMBUNITY	9	68.5			
Extreme Inner City	13	92.0	9>13	23.5	***************************************
	1713	98.5	13>17	6.5	***************************************
			9>17	30.0	!!!
*xtreme Fural		63.9			
	13 1715	92.6 98.4	9>13	8 8.7 7 5.8	***************************************
			9>17		1 1
Small City		83.8			***************************************
	13 17IS	96.4 98.2	9>13		
			9>17		i i i
Medium City		85.7	0		**************************************
	13 17IS	97.9 97.9	9>1 13>1	3 8.1 7 4.1	***************************************
			9>1		i
Rest Of Big City		98.6			***************************************
	13 17[S	99.1 98.4	9>1 13>1		
	1715	70.4	9>1		
Suburban Fringe	9	86.6			***************************************
,	12	94.7	9>1		***************************************
	1715	09.3	13>17 9>17		***************************************
Extreme Aff Suburo	9	92.4	771	12.0	***************************************
DATE OF STAT	13	100.0	9>1		***************************************
	1715	99.6	13>1		***************************************
			9>1	7 7.3	1 1

D. Centerville is farther west than Hope.

O True

False

O I don't know.

NOS 06 6/1 02\*X21\*043 RJ0300V0 T10 03 6/1 02\*X21\*043 R00300V0 S06 06 6/1 02\*X21\*043 R00300V0 9 13 17 9 13 17 9 13 17

		AGE	PERCENTAGE		PERCENTAGE					ercenti	GE OF	SUCCES	5			
		TEAST	OF SUCCESS		DIFFERENCE	0	10	20	30	40	50	60	70	80	90	100
	WATIOWAL	9	71.8			•••••	•••••	•••••	••••••	••••••	•••••	•••••	••••••	!	•	į
	WATICHAL	13	83.8	9>13	12.0	••••	*****	*****	•••••	•••••	•••••	•••••	••••••		•	. !
	HATIONAL	17	94.9		11.1	*****	****	******	******	•••••	*****	*****	•••••	   • • • • • • • • • • • • • • • • • •	! ! !	
region	Sout heast		65.3			••••		•••••	•••••		•••••	*****	•••		, ! !	
		13 17	79.6 89.8	9>1; 13>17 9>17		****		******	••••••	******	•••••	*****	•••••	, ,	! ?••••	!!
	West	9 13	67.1 84.5	9>13		•••••		******	******	•••••	•••••	•••••	••••	 	<u>;</u>	
		17		13>17 9>17		*****	*****	******	******	******	•••••	*****	•••••	*******	†****** !	
	Central	9 13 17	76.2 84.7 97.5	9>13		*****	*****		******	******	******	*****	•••••	, , ,	! <b>?</b> ?******	•
	Fort heast		75. 1	9>17	21.4	•••••	••••	•••••	•••••	*****	•••••	*****	•••••	) 	i I	
		13 17	86.1 96.2		10.9 1 10.1 7 21.0	****	*****	********	******	*******	*****	******	•••••	• • • • • • • • • • • • • • • • • • •	<b>**</b> <b>******</b> !	
SEI		_													i !	
	Male	9 13 17	70.6 83.8 94.8	13>17		•••••	*****	••••••	******** ********	*******	*****	•••••	•••••	 	! ! !	
	<b>Temale</b>	13	73.0 83.7	9>17	10.7	•••••				******	*****	*****	•••••	  •  ••••••	•	! ! ! !
		17	95.0	13>17 9>17		****	*****	******	•••••		*****	*****	•••••	• • • • • • • • • • • • • • • • • • •	9 • • • • • • 	<b>!</b>

#09 06 6/1 02\*x21#0#3 R00300V0 #10 03 6/1 02\*x21#0#3 R00300V0 806 06 6/1 02\*x21#0#3 R00300V0

9 13 17 9 13 17

		AGT LEVEL	PROENTAGE OF SUCCESS		PERCENTAGE DIFFERINCE					PERCENT.	AGE OF	SUCCESS				
		32775				0 10	)	20	٠0	40	50	60	70	80	90	100
	MATIONAL	9	71.8			•		•	•	•	•	•	•		•	•
	48.17882	,	/1.3											•		i
	JAPOITAP	13	33.8	9>13	12.0	••••••	•••••	•••••	•••••	•••••	•••••	••••••	•••••	1 · · · · · · · · · · · · · · · · · · ·	-	1
	NATIOVAL	17	94.9	13>17	11.1	*******	••••	•••••	•••••	•••••	•••••	••••••	****		••••••	r i
				9>17	23.1									!	!	!!
															!	: :
C21 OR																i i
	Black	9	56.7			*******				••••••		••••		•	!	!!
		13 17	69.3 97.2	9>13	12.3							••••••			!	! !
		17	77.2	9>17												; ;
	White	9	74.7			•••••	•••••	*****	•••••	•••••	•••••	••••••				i i
		13	66.8	9>13		•••••	•••••	*****	•••••	••••••	•••••	******	•••••	•••••	•••	!!
		17	95.9	13>17	9.1	*******		•• + • •	•••••	••••	•••••	••••••	•••••	,	,	"!
				9711	21.7									ì	i	ii
														İ	İ	į
PARENTAL ED	DUCATION	_												!	!	!!
40 H1	gh School	9 13	59.4 71.1	4517	12.9	*******			•••••	•••••				<u>;</u>	1	; ;
		17	89.0	13>17		******	•••••	•••••	•••••	•••••	•••••	••••••	•••••	•	••••	i i
					39.6									1	l .	!!
Some 41	igh School	9	67.1			••••••	*****		•••••	•••••	••••			! • • • • •	!	!!
		13 17	77.0 94.0	9>13						*****	•••••			,	! • • • • • • •	• ¦
		• • •	74.0	9>17	26.9										i	i i
Graluated	High Sch.	9	70.8			•••••	•••••	•••••	•••••	•••••	•••••	••••••	****	•	•	1 1
		13	84.4	9>13		••••••	•••••	*****	•••••	••••••	••••••			••••••		! !
		17	<b>35.</b> 5	13>17	11.1									•	1	
20St #1	jh School	g	91.1	,,	24.7		•••••	****	•••••	•••••	•••••	••••••	•••••	••••••	i	i i
	,	13	90.8	9>13		•••••	•••••	*****	•••••	•••••	•••••	•••••	•••••	•••••	•••••	! !
		17	97.0	13>17		•••••	•••••	•••••	•••••	•••••	•••••	••••••	•••••	† • • • • • • • • • • • • • • • • • • •	† • • • • • • • • • • • • • • • • • • •	,
				7711	13.9									•	•	
	MATIONAL	9	71.8			••••••	•••••	•••••	•••••	•••••	•••••	••••••	•••••	•		. !
				0>11									•••••	 		!
	WATIOWAL	13	83.5	7>13	12,0						•••••			1	ĭ	i
	MATIONAL	1715	95. 1	13>17		•••••	•••••	•••••	•••••	•••••	•••••	••••••	•••••		•••••••	•• i
				9>17	23.3									!	!	!!
C 7 2 8 _ 1 M D _ E1	*87													!	1	1 1
SIZE-AND-TI	LE3													i	i	ii
FETERME )	inner City	3	52.4			•••••	•••••	••••	•••••	•••••	•••••	•		ı	!	1 1
		13	*0.1	9>13	27.7	********			•••••	••••••				••••••	! 	!!
		1715	91.1		11.0	********								1	1	1 1
Extr	reme Sural	9	70.9			•••••	••••	•••••	•••••	•••••		• • • • • • •		•	i	ii
		13	76.3	9>13		*******	•••••	*****		••••••		••••••			!	.!.!
		1715	96.7	13>17								••••••		•	,	- <b>T</b>
	small City	9	70.7	yy11		******	•••••	•••••	•••••	•••••	•••••	••••••	•••••	i	i	ii
		13	93.4		12.8	******	•••••		•••••	•••••	•••••	••••••	••••	•	!	ji
		1715	93.9	13>17		•••••	•••••	•••••	•••••	•••••	•••••	••••••		••••••	••••••	•!!
	dium City	•	69.1	9>17	23.3				•••••	•••••	•••••		••••	1	1	1 1
n•	GARA CTCA	13	84.7	9>13	15.7	******	•••••	•••••	•••••	•••••		•••••	•••••	<del>,</del>	÷	ii
		1715	93.3	13>17	8.6	*******	•••••	•••••	•••••	•••••	•••••	••••••		•••••	••••••	1 1
• • -		_	26.6	9>11	24.2									1	!	-
*est 0:	E Big City	9 13	75.6 81.7	9>13	6.0	*******	•••••			•••••		••••••		•	i	; ;
		1715	97.2	13>11	15.6	******	•••••	•••••	•••••	•••••	•••••	• • • • • • •		• • • • • • • • • •	••••••	••••
					21.6									İ.,	!	1 1
Saturt	an Prince	9	74.7			*******			•••••				*****	••• ••••••		!!
		13 1715	47.5 95.9	9>13	12.8 7 8.4	*******	•••••		•••••	••••	******	•••••		******		••
					21.2									i	i	įi
Extrame I	lff Suhurt	•	90.7			*******	• • • • •	*****	•••••	••••	••••••			† • • • • • • • • • • • • • • • • • • •	1	!!
		13 1715	88.6 96.7	9>13	7.9 7 10.1	********				******					****	
				9>17										i	i	ii

E. Highway 20 runs on the south side of Rice River.

O True

● False

O I don't know.

9 13 17 9 13 17 9 13 17

		age Level	PSECESTAGE OF SUCCESS		PERCENTAGE DIFFERENCE				1	PZGCZNT	AG! OF	SUCCESS				
		PFIFF	ATTRACTOR		BUTTERN'SS	0	10	20	30	40	50	60	70	80	90	100
		_				•	•		•	•	. •	. •	•	•	•	•
	MATIONAL	9	52.3			••••	•••••	••••••	••••••	•••••	•••••	!				:
	WATIONAL	13	71.0	9>13	18.7	••••	•••••	•••••	••••••	•••••	•••••	•••••	••••••			į
	MATIONAL	17	85.5		14.5 1 33.2	••••	•••••	*****	••••••	•••••	•••••	•••••	•••••	•••••••	<b>!</b>	
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	AGE	PERCENTAGE		PERCENTAGE			P	RCENTAG	e op	SUCCESS				
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ANTICE	13	75.0	9>13	20.5		••••••				•			•	i
	17	89.5	13>17		••••	••••••	•••••	•••••	•••••	••••••	••••	•••••	••••	1
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no nigh school	13	54.9	9>13	5.6	•••••						i		i	i
	17	70.2	13>17		•••••	••••••	•••••	••••••		-	•••••		!	!
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SIZE-AND-TYPE									i	i	ï		i	i
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	1715		13>17	11.6	•••••••	••••••	•••••	•••••	•••••	••••••	••••	•••••	•••	į
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AUTAMA UT 32221	13	76.2		15.2	*********		*****	•••••	•••••	;	••••	•••	i	i
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Exercise R214, Subtheme C

Exercise Administered at Ages 9, 13 and 17

The five parts of this question all asked children to answer questions using the map provided. The map reading skills involved included: translating distances on a map into distances between places, determining whether particular routes existed, reading relative distances and determining relative positions.

Exercise R219, Subtheme C

Exercise Administered at Ages 13, 17 and Adult

Read the passage and look at the chart, then complete the sentence below it.

This chart shows the number of fatal accidents (broken line) and the number of vehicle miles (solid line) in California, arranged according to the hour of the day.\*

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Most fatal accidents occurred between

- O 1 a.m. and 2 a.m.
- 2 a.m. and 3 a.m.
- 4 a.m. and 5 a.m.
- O 6 a.m. and 7 a.m.
- O 7 a.m. and 8 a.m.
- O I don't know.

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T03 11 3/1 02-x219013 F00300V0 504 15 3/1 02-x219013 F0030CV0 806 10 3/1 02-x219013 F0030CV0

13 17 A 13 17 A

		age Level	PERCENTAGE OF SUCCESS		PERCENTAGE DIFFERENCE							SUCCESS				100
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	MATIONAL	17	73.7	13>17	20.2	••••		•••••	••••	•••••	•••••	¦	•••••	•		į.
	MATIONAL	. 44		17>46		****	•••••	•••••	•••••	•••••	•••••	! <b>?</b> ~~~~~	•••••	ŧ		- 1
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		Ad	76.3	17>86	3.3	****	*****	*****	*****	******	*****	******	*****	****		1
				13>4	22.3							1		1		1
	Central	13	57.6			****	****	******	*****	*****	****	****		1		1
		17		13>17		****	*****	*****	******	•••••	•••••	******	******	*****		1
		Ad		17>4			*****		****	•••••	•••••	****	******	*****		•
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	Hortheast		56.6			****	*****	*****	******	*****	*****	****		1		
		17		13>17		****	••••••	****	*****	******	****	******	*****	7-		
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MATIONAL	17	73.7 1	3>17	20.2	••••	•••••	••••	••••	•••••	•••••	•••••		••••••	•		į
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31403	17		l>17	12.9						•••••		:		i		i
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PARENTAL EDUCATION												i		ï		
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ANTIONAL	13	33.3						••••				I				- 1
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OP CONSUNTY												i		i		
Extreme Inner City	13	38.5					••••					i		i		i
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Patreme Rural	13	46 3						••••	•••••		•••	i		i		i
,	1755		3>17	19.8			••••		•••••					i		i
Small City	13	53.5							*****	*****		÷		i		i
5,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1715		T>17	20.0										•		i
Redium City	13	55.4		-0.0								•••		i		i
neuram city	1715		1>17	15.3										:		- :
Pest Of Big City	13	49.7				****								:		- :
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Suburban Pringe	13	56.8	J>11	40.0						*****		****				- :
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racteme wi. Japain	1715		3>:7	٠.											••	- ;
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Exercise R219, Subtheme C

Exercise Administered at Ages 13, 17 and Adult

Respondents were asked to find the modal group in this exercise.

Exercise R220, Subtheme C

Exercise Administered at Ages 13, 17 and Adult

Read the passage and look at the chart, then answer the question which follows it.

This chart shows the number of fatal accidents (broken line) and the number of vehicle miles (solid line) in California, arranged according to the hour of the Jay.\*

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All but one of the following factual conclusions can be reached from the data presented. Which statement goes beyond the data given in the chart?

- O Fewer fatal accidents occur during the day than at night.
- Oriving at a time when most people would be sleepy is dangerous.
- Eating s good lunch tends to keep drivers alert to driving hazards.
- Traffic becomes heavier at the end of the working day than at the beginning.
- Just because there are few vehicles on the road is no reason to relax one's safety precautions.
- O I don't know.

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T04 08 3/1 03\*X220013 R00300V0 508 01 3/1 03\*X22\_013 R00300V0 a03 15 3/1 03\*X22\_013 R00300V0 13 17 A 13 17 A 13 17 A

		AGE	PERCENTAGE		PERCENTAGE					PERCEN'	TAGE OF	SUCCESS				
		TEAST	OF SUCCESS		DIFFERENCE	0	10	20	<b>30</b>	40	50	60	70	80	90	100
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	MATIONAL	17	34.9	13>17	18.3	••••	****	••••••	••••••	•						į
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21G10M	Southeast	13 17	16.3 22.2	13>17	5.9	••••	•••••	••		į	i !					j
		14	36.6	17>Ad 13>Ad	14.5	••••			•••••							ij
	West	13 17 Ad	44.1	13>17 17>4d	6.2	••••	•••••	••• ••••••	••••••	1	! ! <b>?•</b>					
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	Northeast		16.3	13>10	25.1	****	*****	•••			; ; ;					į
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T04 38 3/1 03\*X220013 700300V0 505 31 3/1 03\*X220013 700300V0 A03 15 3/1 03\*X220013 R00300V0

13 17 A 13 17 A 13 17 A

	AGE LEVEL	PERCENTAGE OF SUCCESS		PERCENTAGE DIFFERENCE				PERCEN	TAGE OF	SUCCESS				
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Extreme Inner City	13	8.9			******	i		i						- 1
	1715		3>1/	15.0	**********		••••	1						- 1
Extreme Rural	13	16.5			•••••	•		1						1
	1715		3>17	10.8	**********	•	*****	1						1
Small City	13	16.0			************	1		ļ						. !
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Rest Of Big City	1715		3>17	20.2		7.	••••							:
Suburban Pringe	13	18.0	, , 1 ,	20.2										:
Sandenen teringe	1715		3>17	19.3	**********		•••••	••••						- 1
Extreme Aff Suburb	13	21.2			**********		••							i
	1715		3>17	29.7	*********	٠÷٠	•••••	;	•••••					i
						•		•						•

Exercise R220, Subtheme C

Exercise Administered at Ages 13, 17 and Adult

The respondents were asked to determine which alternative was unrelated to the chart.

Exercise R226, Subtheme D

Exercise Administered at Ages 13 and 17

Look at the following report card. What period of time do these grades cover?

•	SHES. BICHARD			FTVE	GAT (			RT	CAI	RD	001			
	SCHOOL NAME		- 44-		T T			<del>- "</del>			-			TO INTERPLET MARKS
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	S/YEFACTORY	2 STUBBLET IS IMPROVING IN THIS COURSE
-		3 STUBBRT ACHIEVING BELOW APPARENT ABILITY
	FAILING	4 BOOKS OR MATERIALS NOT BROUGHT TO CLASS
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CR CR	CRESIT	7 STUDY HABITS WEED HIPROVING
-	MYHRAM PASSING	S SEMANOR REEDS IMPROVING
₩	MTHORAIN FAILING	# PLEASE CONTACT TRACHER THROUGH COUNSELOR
•	PARRIE	

The first reporting period

The second reporting period

O The entire semester

O The entire year

O I don't know.

T06 09 3/1 01\*x226013 R00300V0 S04 04 3/1 01\*x226013 R00300V0

13 17

		AGE	PERCENTAG		PERCENTAGE				1	PERCENT	AGE OF	SUCCESS				
		TEAFF	OF SUCCES	i.Ş	DIFFERENCE	0	10	20	30	40	50	60	70	80	90	100
	NATIONAL	13	82.0			•••••	*****	•••••	•••••	•••••	****	•••••	•••••	•••••	!	i
	MATIONAL	17	91.5	13>1	7 9.5	•••••	*****	•••••	••••••	••••••	•••••	•••••	•••••	•••••	*****	: :
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	Central		85.9			****	*****	******	******	******	******	******	••••••	*****		1 1
		17	95.0	13>1	7 9.1	*****	*****	*****	••••••	••••••	••••••	•••••	••••••	•••••		†**
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	AGE Level	PERCENTAGE OF SUCCESS		PERCENTAGE DIFFERENCE			8	ERCENT	AGE OF	SUCCESS				
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COLO3												!	!	!
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White	13	84.3								••••••			. i	
	17		13>17	8.7	••••••	•••••	•••••	*****	•••••	•••••	• • • • • • •	•••••	*****	• i
												- !	!	!
PARESTAL EDUCATION						•						i	i	i
Wo High School	13	70.5			•••••	••••••	••••••		•••••	•••••	••••	i	i	- 1
•	17	82.3	13>17	7 11.8	*******	•••••	******	*****	*****	••••••	••••••	•••••	i	i
Some High School	13	84.6			*********	••••••					•••••		• i	i
•	17	85.5	13>17	7 1.0	*******			*****	*****	******	•••••		•• i	i
Graduated High Sch.	13	62.9			•••••	••••••	•••••		•••••	••••••	•••••	*****	i	i
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Post High School	13	85.2			*******	******	******		*****	••••••		•••••	-* i	i
	17	95.2	13>17	7 9.9	•••••	• • • • • • •	•••••	•••••	••••••	•••••	••••••	••••••	•••••	••• i
MATIONAL	13	82.0			••••••	•••••	•••••	•••••	•••••	••••••	•••••	•••••		į.
<b>WATIOWAL</b>	1715	91.9	13>17	9.9	********	•••••	•••••	•••••	•••••	••••••	•••••	••••••	*****	. !
SIZE-AND-TYPE OF CONSURITY												-	ļ	- !
Extreme Inner City	13	68.7			•••••							- :	- :	:
	1715		13>17	15.9	*********							******	. :	- 1
Extreme Rural	13	78.5		/	********	••••••	*****		*****			••••	i	- ;
	1715		13>17	111.9	*******		******					•••••	•••••	- ;
Small City	13	93.5			********	••••	*****	*****	••••••	••••••		••••••	i	i
•	1715	90.5	13>17	7.0	********			*****		*****	******	*****	*****	
Hedlur City		81.8			••••••	•••••	******	****	•••••	*****	** ** **	•••••	i	i
_	1715	92.1	13>17	10.3	******		******	*****	*****	••••••			•••••	· i
Rest Of Big City	13	71.0			*******	•••••	******	*****	****	******	*****	i	i	i
•	17 IS		13>17	23.0	******	******	******	*****	*****	*****	******	••••••	•••••	•• j
Suburban Fringe	13	88.3			********	******	******	*****	*****				•••• i	i
•	1715	93.9	13>17	5.6	********	******	******		*****	*****			•••••	•• i
Extreme Aff Suburb	13	82.6			******	******	******	*****	*****			*****	i	i
	1715	95.1	13>17	12.5	******	••••••	******	****	*****	•••••	•••••	•••••	• • • • • • •	••• i

Exercise R226, Subtheme D

Exercise Administered at Ages 13 and 17

This exercise required the respondent to locate the phrase containing the words "period" and "time" and note the numbers associated with them.

Exercise R227. Subtheme D

Exercise Administered at Ages 13, 17 and Adult

Look at the following report card. This student is improving his work in which subject area?

	MES, MICHANS MEMTANNE ILLAND MISH			sive	، ابدل	REF		स	CAI	RD	941 44 A			
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or 5	REDIT ITMBRAN PARKNIS	7 SPUDY HADITE HEED HATROWING
	THORAG FAILING	PLEASE CONTACT TEACHER THROUGH COUNSELOR

T07 09 3/1 04-X227013 P00300V0 S09 05 3/1 04-X227013 R00300V0 A02 16 3/1 04-X227013 R00300V0

13 17 A 13 17 A 13 17 A O English

Science

O I don't know.

Foreign languageMathematics

		AGE LEYEL	PERCENTAGE OF SUCCES		PERCEPTAGE DIFFERENCE					BRCENT	AGE OF S	OCC255				
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	MATIONAL	17	80.0	13>17	27.2	••••	••••	•••••	•••••	•••••		•••••	•••••	•••••		1
	NATIONAL	bA	75.9	17>Ad 13>Ad		•••••	•••••	•••••	•••••	*****	•••••• <u>.</u>	******	•••••	•		!
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	West	13	55.6	13>Ad		****	•••••	•••••	•••••	•••••	••••••	•				-
		17 Ad	80.6 79.1	13>17 17>Ad 13>Ad	-1.5	****	•••••	•••••	••••••	•••••	•••••••	•••••	•••••	•		!
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	Wortheast	13 17	56.4 83.6	13>17		*****		••••••	••••••	*****	••••••	•	•••••	<u></u>	••	į
		Ad	74.7	17>Ad 13>Ad	-6.9	••••	****	•••••	••••••	•••••		••••••	•••••	•		į
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	Male	13 17	49.6 76.0	13>17	26. 8	*****			 	*****	••••• j	•••••	•••••	<u> </u>		İ
		Ad	78.8	17>Ad 13>Ad	2.7	••••	•••••	•••••	••••••	•••••	••••••	•••••	•••••	••••		į
	Pemale	13	55.8			****	*****					•		i i		i
		17	83.5	13>17			****	******		*****	*******	•••••	*****	•••••	•	i
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T07 99 3/1 0 \*x227013 R00300V0 S09 95 3/1 04\*x227013 R00300V0 A02 16 3/1 04\*x227013 R00300V0

13 17 13 17

				PERCENTAGE				P	erceut!	GE OP	SUCCESS				
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MATIONAL	13	52.5			•••••	•••••	•••••	•••••	•••••	••••	•				- 1
MATICUTAN	17	50.0	13>17	27.2	******	••••	•••••	****	•••••	•••••	·····	•••••	•••••		į
WATIONAL	Ad	75.9	17>Ad		••••	••••	*****	••••	•••••	•••••		•••••	••		i
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	Ad	41.6	17>Ad			••••					ì		1 1		- :
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			13>Ad								i		ii		i
											i		i i		i
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PARSTAL EDUCATION											i		ii		i
No High School	13	31.9			****	•••••	*****	***			i		i i		i
	17	52.6	13>17	20.7	*******	••••	*****	•••••	*****	•••••	ė.		i i		i
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		• • • •	13>Ad								i		i i		i
Some High School	13	38.7							•••		i		i i		i
	17	73.9	13>17	35.2				•••••	•••••	****	·	•••••	•i i		i
	Ad	77.6	17>Ad		******	••••	****		•••••		· · · · · · · · · · · · · · · · · · ·	*****	••• i		i
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Grainated High Sch.	13	54.4	., ,		******	••••	*****		*****		••		i i		i
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	Ad	81.2	17>Ad		*******	••••	•••••	•••••		•••••	·		•••••		i
		• • • •	13>Ad								i		i i		i
Post High School	13	64.4	., ,			****	*****	*****	•••••	••••	••••••	)	i i		i
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	Ad	59.1	17>Ad				****	•••••		•••••	*******	•••••	•••••	••••	i
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MATIONAL	13	52.8													
AWLIDAMI	• • • • • • • • • • • • • • • • • • • •	32.0			***************************************			••••			Ĭ				- 1
MATICHAL	1715	80.4	13>17	27.5	••••	••••	•••••	•••••	•••••	•••••	********	•••••	•••••		:
SIZE-AND-IVEZ											i		i		i
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Patreme Inner City	13	31.9			*******	****	•••••				i		i		i
	1715	69.4	13>17	37.6	******	••••		•••••	•••••	•••••	· • • • • • • • • • • • • • • • • • • •		i		i
Extreme Bural		44,3			******	****		•••••	*****	•	i		i		i
	1715	61.3	13>17	17.0		****	*****	*****	*****	•••••	*****		i		i
Small City		49.6							****	****	i		i		i
	1715	79.4	13>17	29.8	******		*****	•••••	•••••	•••••	· · · · · · · · · · · · · · · · · · ·	•••••	••••		i
Fedium City		49.8			****			*****	*****	••••	i		i		i
,	1715	81.9	13>17	32.0		••••	•••••	•••••	*****	•••••	· · · · · · · · · · · · · · · · · · ·	*****	•••••		i
. Rest Of Big City		61.8			******	****	*****	*****			*****		i		i
	1715	35.4	13>17	23.6	******			*****		****	• • • • • • • • •	•••••	••••	•••	i
Suburban Pringe		58.8			*******		*****	•••••			****		i		i
	1715	86.8	13>17	28.0	*******			•••••		•••••	••••••	*****	•••••	••••	i
Extreme Aff Suburb		65.3			******		•••••	•••••		•••••	•••••	•	i		i
	1715	84.8	13>17	19.5	•••••	****		•••••	•••••	•••••	·	•••••	*****	<b>* •</b>	i
													-		

Exercise R227, Subtheme D

Exercise Administered at Ages 13, 17 and Adult

This exercise required the respondent to look up a code in the legend provided at the bottom of the report card.

Exercise R228, Subtheme D

Exercise Administered at Ages 13 and 17

Look at the following report card. In which class does this student appear to have a problem?

91	SMES. BIEMARS LIBERT GAME STLLARB WISH EMERG GAME		 STUB	1400	REP		RT	CAI		991 ME R	<u>.</u>	•	TO SHITE RIPING T MARKES
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JONES AICHARD 10000/84 STUBERT NAME STUBERT NAME	
	LEGEND
SCHOLASTIC MARKS	CITIZENDHP COMMENTS CODE
A OUTSTHAMME G GOOD C SATEFACTORY D MINIMUM ACHIEVED F PAN, MG I MICORPATE MM MANAC CM CARRET MF INTRODUM PROBING MF INTRODUM PROBING	O STUBBOT SERVIC I CCSLLEAT ROSA.  1 STUBBOT de APROMAZIONE LA LATÉ ACTORIL Y 2 STUBBOT de APROMAZIONE DE LATÉ ACTORIL Y 3 STUBBOT ADOREVINO DE LAS ADMINISTRA APLITY 4 ROSAS OF RANTEMANO, ARES ROSANIOTE TO CLASS 5 ARRESINOSTIS ARES CONTROL L'ESTA ROSALIAT, Y 6 Plana ATTRIBUNACE SE AFFECTIONS STUBBO, SPINA, 7 STUBE MARTIS SIGNE REPROVINOS, 6 BÉNANIOM MÉL SE MITHEMANO. 9 PLANES CORREST, TERMEN TIMBOSH CISARSELAN 9 PLANES CORREST, TERMEN TIMBOSH CISARSELAN 9 PLANES CORREST, TERMEN TIMBOSH CISARSELAN
AF WITHDRAW SAILING P PARRIEG	

708 11 3/1 01\*X228013 R00300V0 S02 12 3/1 01\*X22c013 R00300V0 13 17 13 17

# NATIONAL AND GROUP PERCENTAGES OF SUCCESS

Algebra

O English

O Science

O I don't know.

O Physical Education

		AGE	PERCENTAG		PERCENTAGE				1	PERCRUT.	AGE OF	SUCCESS				
		LEVEL	OF SUCCES	5	DIFFERENCE	0	10	20	30	40	50	60	70	80	90	100
	WATIOWAL	13	83.3			····	•••••	•••••	••••••	•••••	•••••	•••••	•••••	•••••••	•	Ĭ
	WATIOWAL	17	90.5	13>1	7 7.2	•••••	•••••	•••••	• • • • • • •	••••		•••••	•••••	••••••	•••••	
REGION															1	
	Southeast	13	75.2			****		*****						••	i	i
		17	83.9	13>1	7 8.7	****		*****			*****				• [	i
	West	13	64.5			****	*****	*****		******	*****	*****	******	******	• i	i
		17	90.0	13>1	7 5.5	****	*****	*****	******	******	*****	*****	******	******		İ
	Central	13	87.0			****	*** 7**	*****	******	****						- 1
		17	93.1	13>1	7 6.3	****	*****	****	*****	******	*****	••••••		******		••
	Fortheast	13	86.0				*****					******				- 1
		17	92.9	13>1	7 6.8	•••••	•••••	•••••	••••••	•••••	•••••	•••••	••••••	•••••• أ	••••	••
SEX														1	ļ	!
	Hale		82.7			*****	*****	*****	******			******	******		٠ ١	1
		17	88.5	13>1	7 5.8	****	*****	*****	••••••		••••••	******	******	••••••	****	1
	<b>Female</b>	13	84.0			****		*****			*****	******			• j	i
		17	92.6	13>1	7 8.6	****		*****	••••••	******	••••••	•••••	••••••		****	••

	AGR	PERCENTAGE	PERCENTAGE				1	PERCENT	AGE OF	SUCCESS						
	TEAST	OF SUCCESS		DIFFERENCE												
					9	10	20	30	40	50	60	70	# L	9	-	100
	• •				•	•		•	•	•		•	•	. •	•	•
MATIONAL	13	43.3			••••	*****	•••••	******	••••••	••••••	••••••	•••••	•••••	•		!
MATIONAL	17	90.5	13>17	7.2	••••	•••••	•••••	••••••	•••••	••••••	•••••	••••••	*****	****	•	i
													-	i	i	i
22123														1	l	- 1
Black	13	58. C			••••	•••••	••••••	******	•••••	•••••	••••			1	1	- 1
	17		13>17	7 15.4	••••	•••••	••••••	******	••••••	••••••	•••••	• - • • • • •		1	ı	ı
White	13	86.9			••••	••••••	••••••	*****	•••••	••••••	••••••	• • • • • • •	•••••	****	•	- 1
	17	92.7	13>17	7 5.9	••••	•••••	••••••	•••••	•••••	•••••	•••••	•••••	•••••	4 * * * * * * * * * * * * * * * * * * *	••• !	-
PARESTAL EDUCATION														!	!	!
To High School	13	76.5													:	- :
to high school	17		13>17	8. 4											:	- !
Some Migh School	13	72.6	13211	9. •										,	:	•
Soar High School	17		13>17	1 12 A											:	- :
Graduated High Sch.	13	85.7	.,,	13.4										•••	:	•
Masagen migh sen.	17		13>17	7 6.0	****									7		- !
Post High School	13	90.8	1371	0.0										7	Y .	•
-ost Elds 3csol	17		13>17	7 3.3			******							*****	, ,	•
	• • •	74.1	13217	, 3.3										<b>Y</b>	,	•
WATIOWAL	13	63.7			••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	†		!
RAT TORAL	1715	90.8	13>17	7.5	••••	•••••		•••••	•••••	•••••	•••••	•••••	•••••	•	• •	į
SIZE-AND-TYPE OF CONTURITY														:		i
Extreme Inner City	13	66.8			••••					•••••	******	•••		i	i	- 1
	1715		13 17	7 18.3	••••		******		*****	•••••	*****			•••	i	i
Extreme Fural	13	78.9			••••		•••••			•••••	•••••		••••	i	i	i
	1715		13>17	1 12.6	****		•••••			•••••	•••••	••••••		· • • • •	••	- i
Small City	13	62.7			••••	•••••	••••••		•••••	•••••	******	•••••	•••••	•	i	i
	1715		13>17	5.6	••••	*****	•••••	******	•••••	•••••	*****	•••••	*****	••••	i	i
Medium City	13	79.3			••••		******		•••••	•••••	•••••	•••••		i	i	i
	1715		13>17	12.4	••••	*****	*****	******	*****	•••••		•••••	•••••	•••••	• •	i
Pest Of Big City	13	89.5		•	••••	*****	•••••	•••••	•••••	*****	•••••	•••••	•••••		• ;	•
	1715		13>17	-9.4	****		******	*****			******	*****		••••	i	- ;
Saburtan Pringe	13	99.5		•••	****			******	•••••		*****	•- ••••			• ;	i
	1715		13>17	4.9	••••	*****	******				******				••••	- 1
Extreme Aff Suburb	13	89.4			••••		******				•••••	******	•••••		• i	i
	1715		13>17	4.2	****	*****	******	******					*****		• • •	- :

Exercise R228, Subtheme D

Exercise Administered at Ages 13 and 17

A respondent answered this question acceptably if he understood that "assignments not completed regularly" is a problem.

Exercise R231, Subtheme D

Exercise Administered at Ages 13 and 17

Look at the following report card. According to the report card, in what subject area did the student do BEST?

,	ALTERNA MICH			1746	<b>JA</b> (7 )	REF	POF	RT.	/15/6	1D	001 M	<b>B</b> ÓM		TO INTEGRAL T MARKET
<u></u> 1	CHEST HAME	E	=							$\exists$	Π	****		#1 #1,00
01 97 93 96 99 99	SPAN 58/40 LIFE 5CI INT 6MG 3 4 JUN 6MT 30 SF/CUN 6MEMS 4LG 18 78	8 B - C C C C	5									_ <b>_</b>	61940 81/08 £3150 P7030 51130 #1750	EUCAER MARCETT 3. SHITH CASH RABIMSVITE AQUMS

Į.		TO THE PARKETS OF
JIMES. ATCHARD		GPA THAS SERESTAR
571/05/07 amm	100197947)	722 MEMLEY ST
		58878 #858 CA 83484
		LEGEND
j		
904	OLASTIC MARKS	CITATERINA COMMENTS CODE
	BVTST ANDREG	STUBBLET BROWN EMPERATORS
	1000	1 STUBBOT IS PROBRESHED SATISFACTORING V
	SATISFACTORY	2 STUBBAT IS MATROVING IN THIS COURSE
	CHINADAN WOOD ACTUAL AC	2 STUDBINT ACHIEVING SELETS AFTAINENT AGALITY
,	FAILMS	a species on matchings not and upon 10 Canas
	MCBATLETE	5 ASSIGNMENTS ARE NOT COMPLETED REGULANLY
	MD WARE	6 FORM ATTEMBANCS IS APPECTING SCHOOL INDICE
	CALOUT	7 STURY MARKETS HEAD HERMONING
-	M Telefilage Palifilag	• COMPANDO MESOS INCOMINE
-	OTHERNO FAILURE	9 PLEASE CONTACT TEACHER THROUGH COUNSELON
	Milling	

T09 10 3/1 02\*X231013 R00300V0 S01 92 3/1 02\*X231013 R00300V0 13 17 13 17 O English

Science

O I don't know.

Foreign languageMathematics

		AGE LEVEL	PERCENTAGE OF SUCCESS		PERCENTAGE DIPPERENCE					•	PRCENT	GE OF	SUCCESS				
		~====			IALLEREZE	0	10	20	•	30	40	50	60	70	80	90	100
	WATIONAL	13	80.4			•		•••••	•••	•••••	•••••	••••••	•••••	•••••	••••	•	i
	VATIONAL	17	93.8	13>1	7 13.5	••••	•••••	****	•••		•••••	•••••	•••••	•••••	••••	••••••	•
REGION															i		1
	Sout heast	13	77.9			****	*****	****				*****	******		••••		i i
		17		13>1	7 14.4	****	******	****	***	*****	*****	*****			*****		ri i
	West		76.0			****	******	****	***	*****	******	*****	******	*****	****		ii
		17	94.5	13>1	7 16.5	****	******	*****		****		*****		*****	• • • • • •	• • • • • • • •	i i
	Central		96.2			****	*****	*****	***	*****		*****	******	*****		• • •	1 1
		17	94.8	13>1	7 8.6	****	******	****		*****		*****	******			** ** ** **	i i
	Nort heast		76.2			***	*****	****		*****	*****	*****	******	*****			i i
		17	93.3	13>1	7 15.1	••••	*****	*****	***		*****	*****	******	******	•••••	• • • • • • •	1
SEX															İ		
	Male		78.6			****	••••••	****		•••••		*****	******	******	****		1 1
		17		13>1	7 13.1	****	******	****		*****	*****	*****	*****		****	******	i i
	Pemal-	13	82.2			****	******	*****		*****	*****	*****	******	******	****	•	i i
		17	95.7	13>1	7 13.4	****	*****	****	•••	** * * * * *	•••••	*****	******	******	****	•• >••••	· i

	AGE LEVEL	PERCENTACE OF SUCCESS		PERCENTAGE DIFFERENCE					PERCENT	AGE OF	SUCCESS				
					0	10	20	30	*0	50	60	73	80	9.0	100
WATIOWAL	13	90.*			•	•	*		•		•	•	•	•	•
PATIONAL	1,	40.				•••••		•••••		• • • • • • • •	•••••	•••••			!
MATIONAL	17	93.9	13>17	13.5	****	•••••	*******	•••••	••••••	•••••	••••••	•••••	•••••	******	1
<u> </u>													i		1 1
Black	13	61.6				•••••	••••••	•••••	•••••	•••••	•••••		i		1 1
	17		13>17	23.6	****	*****	*******	••••••	••••••	••••••	*****	******	*****		1 1
White	13	24.5			****	•••••	******	•••••		••••••	•••••	******	****	••	1 1
	17	94.9	13>17	10.3	••••	•••••	••••••	•••••	••••••	••••••	••••••	•••••	*****	••••••	1 1
PARESTAL EDUCATION				4.									i i		1 1
No High School	13	59.2			••••	•••••	••••••	•••••	••••••	••••••	••••		i		ii
-	17	92.5	13>17	33.3			*******	•••••	••••••	•••••	•••••		*****	******	i i
Some High School	13	74.0			****		••••••	• • • • • •	••••••	•••••		••••••	• i		ii
·	17	89.8	13>17	15.8		•••••	******	*****		•••••	•••••	•••••	****	*****	ii
Grainated Migh Sch.	13	80.9			****	•••••	••••••		•••••	•••••	•••••	••••••	•••••		i i
	17	93.5	13>17	12.7	****	•••••	••••••			•••••			•••••	******	
Post High School	13	88.0				•••••		•••••	•••••	••••••	•••••	••••••	*****		: :
201 112,11 211112	17		13>17	8.6	••••	•••••	••••••	•••••	• • • • • • •	••••••	•••••	•••••	*** **	••••••	••• i
<b>VATIONAL</b>	13	80.4			••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••		!
JAHCITAR	1715	98.5	13>17	14, 1	••••	•••••	•••••	•••••	•••••	•••••	•••••	••••••	••••	*******	• !
SIZE-AND-TYPE													į		1 1
Extreme Inner City	13	62.2			****		•••••	•••••	••••••	*****			i		i i
	1713	92.5	13>17	30.3	****	*****	*******	•••••	••••••	••••••	••••••	•••••	*****	••••••	ı i
Fitreme Fural	13	77.4				•••••	*******	*****	*****	••••••	••••••	••••••	••••		i i
	1715	90.7	13>17	12.6		•••••	******	*****		******		•••••	*****	*****	ii
Small City	13	77.2			****		*******		••••••	••••••		•••••	•••		ii
•	1715	93.6	13>17	16.4			*******		*****	••••••	•••••	•••••			• i
*edium City	13	81.4				•••••	••••••	•••••	••••••		•••••				i i
•	1715	94.8	13>17	13.5		•••••		•••••		••••••	••••••	•••••	•••••	******	• i
Rest Of Big City	13	78.6			****	•••••	•• • • • • • •		••••••	••••••			••••		i i
	1715		13>17	18.6		•••••	••••••	•••••	••••••	••••••	••••••	•••••			•
Suburban Pringe	13	87.2			****	•••••	******	•••••		••••••		•••••		••••	N 1
	1715		13>17	8	****	•••••		•••••		••••••		••••••	•••••		
Patreme Aff Suburb	13	86.9			****			•••••			•••••	•••••	•••••	••••	i i
	1715		13>17	9. 1	****			•••••			•••••	•••••	*****	••••••	•

Exercise R231, Subtheme D

Exercise Administered at Ages 13 and 17

To respond acceptably, a respondent would have to know that an "A" is the best possible grade and "Spanish" is a foreign language.



Exercise R236, Subtheme D

Exercise Administered at Ages 13, 17 and Adult

Below is an excerpt from an automobile insurance policy. Look at it carefully and then answer the questions which follow it.

1198		B PROPERTY LIMBELITY	C MEDICAL PAYMENTS	- BE-15-	. COLLISION	1	•
THOUSAND EACH PERSON	THOUSAND EACH OCCURRENCE	THOUSAND T	(ACH PERSON	11: ACTUAL CASH WALUE 12: \$180	ACTURE CAEN WILLIE	PERSON ACC	CONTRACTOR OF CO
1	'						1984, FEBRUAR
\$25	\$50	\$10	\$1000		\$100 BEBUCTION E	\$10 .	20

- A. What is the maximum amount for which this policy covers medical bills?
  - \$ 1,000
  - O \$ 5,000
  - O \$10,000
  - O \$25,000
  - O I don't know.

\*13 10 3/1 01\*X236010 "10300V0 504 09 3/1 01\*X236010 010300V0 806 06 3/1 01\*X236010 010300V0 13 17 13 17 13 17

		AGE	PERCENTAG		PERCENTAGE				i	PERCENT	AGE OF	SUCCESS				
		TEAET	OF SUCCES	<u>s</u>	DIFFERENCE	0	10	20	30	*0	50	60	70	80	9	0 100
	NATIONAL	13	83.6			••••	••••	•••••	••••••	•••••	•••••	•••••	•••••	•••••	<b>'</b> †	!
	VATIOVAL	17	88.0	13>17	7 4.4	••••	•••••	•••••	••••	•••••	•••••	••••••	•••••	•••••	·•••	į
	MATIONAL	Ad	90.1	17>&6 13>&6	2.1 1 6.5	••••	•••••	•••••	•••••	****	••••••	••••••	•••••	•••••		1 1
REGION										<b>-</b>					1 1	1 1
	Southeast	13	78.6			••••	•••••	*******							••• i	
		17	86.4	13>17											•	
		A d	83.7	17>A		••••	•••••		••••••						ïi	
				13>46	5.1										·i i	1 1
	West	13	83.4													ii
		17	88.1	13>1												i i
		λd	90.5	17>A		••••	•••••	•••••	••••••	•••••					1	7 :
				13>4	7.0										·i· i	
	Central	13	85.6													
		17	88.7	13>1											• • • • • •	
		Ad	93.6	17>A		••••	•••••			•••••	•••••				1	
				13>4	8.0											
	<b>MOT</b> t he <b>a</b> st		86.6			••••	•••••								••••	
		17	88.4	13>17		••••	•••••								• • • • •	1 :
		Ad	90.5	17>4		••••	•••••	•••••	••••••	•••••					,,,,,	"
				13>A	3.9											i
SSX		••	•3.4										•••••		.i i	i i
	Male		82.6	13>1	7 5.2										••••	i i
		17	87.8	17>1											•••••	
		Ad	88.5													'i i
				13>4	a 5.8											i i
	<b>Female</b>	13	84.5	47 54											••••	
		17	88.2	13>1												i. :
		Ad	91.7	17>A												
				13>4	a 7.1										1 1	

T13 10 3/1 01\*X236010 U10300V0 S0W 09 3/1 01\*X236010 U10300V0 A06 06 3/1 01\*X236010 U10300V0 13 17 A 13 17 A 13 17 A

	AGE LEVEL	PERCENTAGE OF SUCCESS		PERCENTAGE DIPPERENCE	ENCE											
	AT 77 M	A1-7773373		TALLESCIE	0	10	20	30	40	50	60	70	80	9	10	100
					•	•	•	•	•	•	•	•	•		•	•
IAMOITAN	13	83.6			****	*****	******	••••••	•••••	*****	••••••	•••••	*****	*		-
MATI2-HAL	17	88.0	13>17	4.4	****	•••••	•••••	•••••	•••••	•••••	•••••	• • • • • • •	*****			į
NATIONAL	A4		17>A		****	*****	•••••	•••••	•••••	*****		•••••	*****	  •••	+	i
			13>46	6.5												1
COLOR														1 1	i	į
COLO9 Black	13	69.6												ii		- :
BIACK	17		13>17	8.1	****			*****					***		ì	- :
	ba		17>4											ii		- :
	A.G		13>A													- :
**	13		. 3 /AC	. 0.1										1 1		
White	13	86.1 89.4	12	3.2										***		•
			13>17							•••••				****	Ι.	!
	Ad		17>4			=+*									Ţ	. !
			13>40	5.7										1 1		-
																!
PARENTAL EDUCATION	13	71.1													1	:
♥o High School																• !
	17		13>17			******	*******			******					!	!
	D.A.		17>4		****	*****	******	*******		*****		******	******	****!		!
			13>40	1 15.7										1 1		- !
Some High School	13	83.5			****		******	• • • • • • • •	******	*****	*******	******	******	• I I	ļ	- !
	17		13>17		****	*****	******	******	******	*****	• • • • • • • •	*****	******		ļ	- 1
	Ad.		17>4		****	*****	******	******	******	*****	• • • • • • • •	******	******	• • • • • •	•	- 1
			13>A	6.7											1	- 1
Graduated High Sch.	13	83.6			****	*****		* - * * * * *	******	*****	•••••	•••••	******		1	- 1
	17		13>1		****	*****	******	******	******	*****	******	•••••	*****	****	*	- 1
	b.a		17>4		****	*****	******	•••••	******	*****		••••••	*****	****	**	1
			13>Ac	1 8.1										1 1		- 1
Post High School	13	88.6			****	*****	******	******	******	*****	••••••	•••••	******	* * * * *	1	- 1
	17		13+->17		****	*****	******	******	••••••	*****	• • • • • • • •	******	*****	• • • • • •	*	- 1
	Ad	93.8	17>4	3.8	****	*****	• • • • • • •	•••••	******	*****	• • • • • • • •	• • • • • • •	******	****1	***	- 1
			13>4	5.2										1 1	1	ı
MATIONAL	13	83.6			****	*****	******	•••••	•••••	•••••	••••••	*****	******	• •		!
HATIONAL	1715	98.2	13>17	4.5		****	******	•••••	•••••	*****	• • • • • • • •		*****	• • • • • •	•	
														!!		!
SIZE-AND-TYPE														!!		!
OF CONSUNTY														!!		!
Extreme Inner City		71.2			****									!!!		!
	1715		13>17	8.5	****		******	******						!!		!
Extreme Pural		77.0			====									1.1		!
	1715		13>17	7 12.5	****					*****			******	1	-	. !
Small City		94.1			****	*****	******	******		*****		******	*****	• •		ı
	1715		13>17	7.5	****	*****	******	******	******	*****	•••••	******	******	• 7 • • 1		ı
Medium City		44.5			****	*****	******	******	*****	*****	******	******	******	*† (		- 1
	1715		13>17	7 1.7	****	*****	******	******	******	*****	•••••	******	*****	• † *		•
rest Of Big City		91.5			****	*****	******	******	******	*****	• • • • • • • •	******	*****	• • • • •	**	- 1
	17 I S		13>17	7 -5.4	****	*****	******	******	*** ***	*****	******	******	*****	***		ı
Suburban Fringe		84.4			****	*****	******	*****	******	*****	• • • • • • • • •	******	*****	• • • •		- 1
_	1715	36.9	13>11	7 2.5	****	*****	******	******	******	*****	•••••	******	******	****		- 1
Extreme Aff Suburh	13	88.0			****	*****	******	******	******	*****	•••••	******	*****	****	•	- 1
	17 IS	90.6	13>17	2.5	****	*****	******	******	******	*****	•••••	*****	******	* * * * * 1		- 1

B. What is the maximum amount this policy would pay in case you injured another person in an automobile accident?

O \$ 25

O \$ 1,000

O \$ 5,000

\$25,000

O I don't know.

T13 10 4/1 04\*X236020 U10300V0 504 09 4/1 04\*X236020 U10300V0 A06 06 4/1 04\*X236020 U10300V0 13 17 A 13 17 A 13 17 A

		AGE Level	PERCENTAGE OF SUCCESS		PERCENTAGE DIPPERENCE					PERCEI	TAGE OF	SUCCESS				
		BRINE	AT-ALAZERA		TALL SECTION	0	10	20	30	#0	50	60	70	80	90	100
						•	•		+		•	+	•	•		+
	WATIONAL	13	8.1			****	• •									- 1
							1									- 1
	MATIONAL	17	19.2	13>17	11.1	*****	• • • • •	••••								!
	NATIONAL	Ad	<b>42.5</b>	17>Ad	23.3	****	•••••	••••	•••••	•••••	•					i
	841.10440			13>Ad							i					i
							i	i			i					i
							i	i			i					i
REGION							i	i			i					i
F-4-4-4	Southeast	13	9.6			*****	•••	i			i					i
		17		13>17	4.8	*****	•••••	• i			i					i
		Ad		17>Ad		****	•••••	*****		•••	i					i
				13>Ad	26.5		1	i			i					i
	Vest	13	7.8			*****	٠i	i			i					i
		17	16.8	13>17	9.0	*****	••••	•••			ì					i
		Δđ	41.7	17>Ad	24.9	****	•••••	*****	••••••	*****	i i					i
				13>Ad	33.9		i	i			i					İ
	Central	13	7.8			*****	٠i	i			1					- 1
		17	25.5	13>17	17.8	****	••••	*****	•••		i					1
		Ad	42.3	17>Ad	16.7	*****	••••	*****		******	Ť					i
				13>Ad	34.5		İ	1			1					1
	Northeast	13	7.3			****	•	- 1			1					1
		17		13>17		****	••••	•••			1					1
		å₫		17>Ad		*****	••••	*****	••••••	•••••	****					- 1
				13>84	40.3		1	- 1			1					- 1
							1	- 1			1					1
							1	- 1			1					- 1
SEX							1	1			1					1
	Hale	13	8.4			****		- 1			1					- 1
		17		13>17		****	••••	•••••			1					1
		ьa		17>Ad		****	••••	****	••••••	•••••	******	••				1
				13>Ad	47.6		1	1			1					- 1
	Female	13	7.8			*****	•	1			1					- 1
		17		13>17		*****	• • • • •	••			1					- 1
		Ad		17>Ad		****	••••	••••••	•••••		1					- 1
				13>Ad	21.8		1	ı			1					•

T13 10 4/1 04\*X236020 U10300V0 504 39 4/1 04\*X236020 U10300V0 A06 06 4/1 04\*X236020 U103300V0 13 17 A 13 17 A 13 17 A

	age Level	PERCENTAGE OF SUCCESS	PERCEPTAGE DIPPERENCE		PERCENTAGE OF SUCCESS 0 20 30 40 50 60 70 80 90 100											
				0 '	10	20	30	40	50	60	70	80	90	100		
MATIONAL	13	8.1		•••••		•	•	•	•	•	•	•	•	į		
JAMCITAM	17	19.2 13	>17 11.1	*****		••								į		
MATIONAL	Ad		>Ad 23.3	•••••	••••	•‡•••	•••••	•••••	•							
		13	>Ad 34.4	!		!		!						- !		
COLOR					!	!								- 1		
Black	13	13.1		*****	•••	1		- 1						- 1		
	17		>17 -3.3	*****		i		i						i		
	Ad	21.4 17		*****		••••		i						i		
		13		i	i	i		i						i		
White	13	7.3		****	i	i		i						i		
	17		>17 13.3	*****		•••		i						i		
	Ad	45.3 17		*****		•••••		•••••	••					i		
			>Ad 38.0	į	) 	į		į						į		
				!	!	!		Į.						. !		
PARENTAL EDUCATION					! .	!		!						!		
No High School		9.6			•	!								!		
	17	13.4 13		*****	•••	. 1		ı						•		
	å₫	31.0 17 13		•••••		• • • • • • • • • • • • • • • • • • • •	•••••	!						!		
Some High School	13	7.2	710 21.4			!										
Some nigh School	17					!								!		
		14.9 13				.!		!						!		
	Ad	41.0 17				.,		•••••						!		
Contained that out	13	13	>Ad 33.8			!								!		
Graduated High Sch.	17	7.8				.!										
			>17 10.8			• •								. !		
	Ad	50.6 17				• • • • • • •		••••••						. !		
9.04 #4.04 C-4.043	••		>Ad 42.8	!	ļ .	!		!						ļ.		
Post High School		8.1		******				!								
	17	22.9 13				• • • • •		!						Į.		
	Ad		>Ad 28.5	•••••		• • • • • •		******	•••••					!		
		13	>Ad 43.3	•		ı		ı								
<b>WATIONAL</b>	13	8.1		•••••										!		
MATIOWAL	17IS	18.9 13	>17 10.8	•••••	•••••	••								į		
SIZE-AND-TYPE OF COMMUNITY						į								i		
Fxtreme Inner City	13	13.1		*****	•••	i								i		
•	17IS	9.3 13	>17 -3.8	*****	•	i								i		
Extreme Rural	13	6.3		*****	i	i								i		
	17 I S		>17 11.4	*****		•i								i		
Small City	13	7.2		*****	1	i								i		
	17 I S		>17 13.0	*****		•••								i		
Medium City	13	10.8		•••••	••	i								i		
	1715		>17 11.0	*****		••••								ĭ		
Rest Of Big City	13	11.3		*****	••	:								i		
	1715	13.2 13	>17 1.9		•••	;								- :		
Suburban Fringe	13	5.9	1.,	*****		- 1								- 1		
Junes sell	1715		>17 11.7			•:								- :		
Extreme Aff Suburb	13	7.6	,,, III.,	•••••		-								- 1		
natteme was Subuth	1715		>17 15.3	•••••		•••••								i		

Exercise R236, Subtheme D

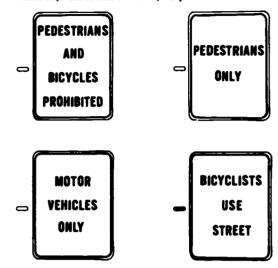
Exercise Administered at Ages 13, 17 and Adult

The acceptable response could be located by locating the only column in the table containing the word "medical" or by knowing that medical payments cover medical bills.

Exercise R239, Subtheme B

Exercise Administered at Ages 17 and Adult

Which sign shows where walking is permitted?



C I don't know.

SC5 02 3/1 03\*X239011 910090V0 A02 02 3/1 03\*X239011 R19000V0

17 /

					•											
		AGE LEVEL	PERCENTAG OF SUCCES	_	PERCENTAGE DIFFERENCE					PERCENT	AGE OF	SUCCESS				
				-		0	10	20	30	40	50	60	70	80	90	100
	MATIONAL	17	97.8			•		•		•	•	•	•	•	•	
	MAT TOWN T	.,	,,,,													!!
	MATIONAL	Δđ	95.7	17>4	-2.1	****	•••••	•••••	*****	•••••	••••••	••••••	•••••	•••••	•••••	••• i
																ii i
REGION																11 1
ERRAYE	Southeast	17	97.			****	****	*****			*****	*****				
		Ad	89.3	17>4	1 -7.8	****	*****	*****	*****	******	******	*****	*****	*****	****	- ii i
	West	17	97.8			****			••••••	•••••	*****	••••••	******	*****	*****	•••
		Ad	98.2	17>4	1 0.4		*****		*****	******	******	******	******	*****		
	Central	17	98.7				*****		*****	*****	*****	******		*****	*****	****
		DΑ	98.4	17>4	1 -0.3											****
	Wortheast	17	97.3							******						
		Ad	94.8	17>4	1 -2.4	***	*****	*****	*****	• • • • • • •	******	•••••	•••••	*****		•ii i
																- 11 1
SEX																ii i
	Hale	17	97.7			****	*****	•••••	******	*****	******		*****	*****	*****	• • • •
		Ad	96.3	17>4	1 -1.4	****	*****	*****	******	*****	*****		*****	*****	****	• i i
	Pemale		97.9			****	*****	*****	*****	******	******	*****				
		Ad	95.2	17>4	-2.7	****	****	*****	*****			******		****		• • • •

	AGP	PERCENTAGE		PERCENTAGE				1	PERCENT	AGE OF	SUCCESS				
	FEZET	or success	į	DIPPERBACE	0	10	20	30	40	50 +	60	70	80	90	100
MATIONAL	17	97.8			••••	••••	••••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••
LANCITAN	. Ad	95.7	17>A:	-2.1	••••	•••••	••••	•••••	•••••	•••••	*****	••••••	••••	•••••	•• i
COLOR															!!!!
Black		95.0			••••									•	11 1
	Ad	84.9	17>4	4 -10.1	••••										••••
White		99.1													• • •
	Ad	97.0	17>A	d -1.1	••••	•••••	•••••		•			•••••			
PAPENTAL EDUCATION												<b></b> -			11
Wo High School	. 17	95.9	_				••••••								••!
	Ad	94.2	17>4	4 -1.7			••••••								•11
Some High School		96.9			••••	•••••	•••••								•••
	Ad	98.4	17>A	ā 1.5	•=••	****			•••••						
Graiuated High Sch.	. 17	97.2													777
	Ad	96.4	17>A	d -0.9			•••••								<b>TT</b> !
Post High School	17	99.2			****	*****	•••••	•••••	******	•••••	••••••	• • • • • • •			:!!
•	Ad	97.8	17>A	d -1.3	••••	•••••	••••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	• † †
MATIONAL	. 1715	<i>y</i> 8.1			••••	*****	••••••	•••••	•••••	•••••	••••••	••••••	••••••	•••••	•••• I
SIZP-AND-TYPE															
OF CONMUNITY		98.9							•••••			•••••	*****		• i
Extreme Inner City									******	******		•••••	•••••	******	••••
Extreme Rural														•••••	••••
Small City									****	******	******		••••••		••••
Medium City														******	••••
West Of Bid City					-00				****	****	******		*****	•••••	••••
Suburban Fringe												******	******		••••
	17TS														

Exercise R239, Subtheme B

Exercise Administered at Ages 17 and Adult

This exercise required that the respondent understand the meanings of the words "pedestrians" and "prohibited."

